# 06 - STRUCTURAL SUBSET INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
S-1	INDEX OF DRAWINGS	S-21	WALL 3 DETAILS
S-2	GENERAL PLAN STEEL PIPE-ARCH	S-22	STAIRCASE DETAILS
S-3	BORING LOGS	S-23	METAL HANDRAIL AND DECORATIVE FENCE
S-4	CULVERT INSTALLATION DURING STAGE 2	S-24	EMBANKMENT WALL (SITE NO. 4)
S-5	CULVERT INSTALLATION DURING STAGE 3	S-25	EMBANKMENT WALL (SITE NO. 4) - DETAILS
S-6	CULVERT INSTALLATION DURING STAGE 4	S-26	EMBANKMENT WALL (SITE NO. 4) - STAIRS REINFORCEMENT
S-7	CULVERT ELEVATION AND PLANS (INLET)	S-27	WOOD HANDRAILS DETAIL
S-8	CULVERT SECTIONS AND DETAILS (INLET)	S-28	GENERAL PLAN JUNCTION BOX NO. 1
S-9	CULVERT ELEVATION AND PLANS (OUTLET)	S-29	DETAILS JUNCTION BOX NO. 1
S-10	CULVERT SECTIONS AND DETAILS (OUTLET)	S-30	GENERAL PLAN JUNCTION BOX NO. 2
S-11	HEADWALLS AND PIPE-ARCH DETAILS	S-31	DETAILS JUNCTION BOX NO. 2
S-12	BAFFLE DETAILS	S-32	GENERAL PLAN JUNCTION BOX NO. 3
S-13	GENERAL PLAN RETAINING WALL 1	S-33	DETAILS JUNCTION BOX NO. 3
S-14	RETAINING WALL 1 DETAILS - 1	S-34	TEMPORARY PRECAST CONCRETE BARRIER CURB (15"X32")
S-15	RETAINING WALL 1 DETAILS - 2		
S-16	RETAINING WALL 1 DETAILS - 3		
S-17	GENERAL PLAN RETAINING WALL 2		
S-18	RETAINING WALL 2 DETAILS-1		
S-19	RETAINING WALL 2 DETAILS-2		
S-20	GENERAL PLAN WALL 3 & STAIRCASE		

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

TRANSPORTATION PRINCIPAL ENGINEER

					DES
				THE INFORMATION, INCLUDING ESTIMATED	
				QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED	CHE
				INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE	
				THE CONDITIONS OF ACTUAL QUANTITIES	
				OF WORK WHICH WILL BE REQUIRED.	
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/9/2015	1

DESIGNER/DRAFTER:

JJK

CHECKED BY:

RDD

SCALE AS NOTED



Filename: ...\Index of Drawings.dgn



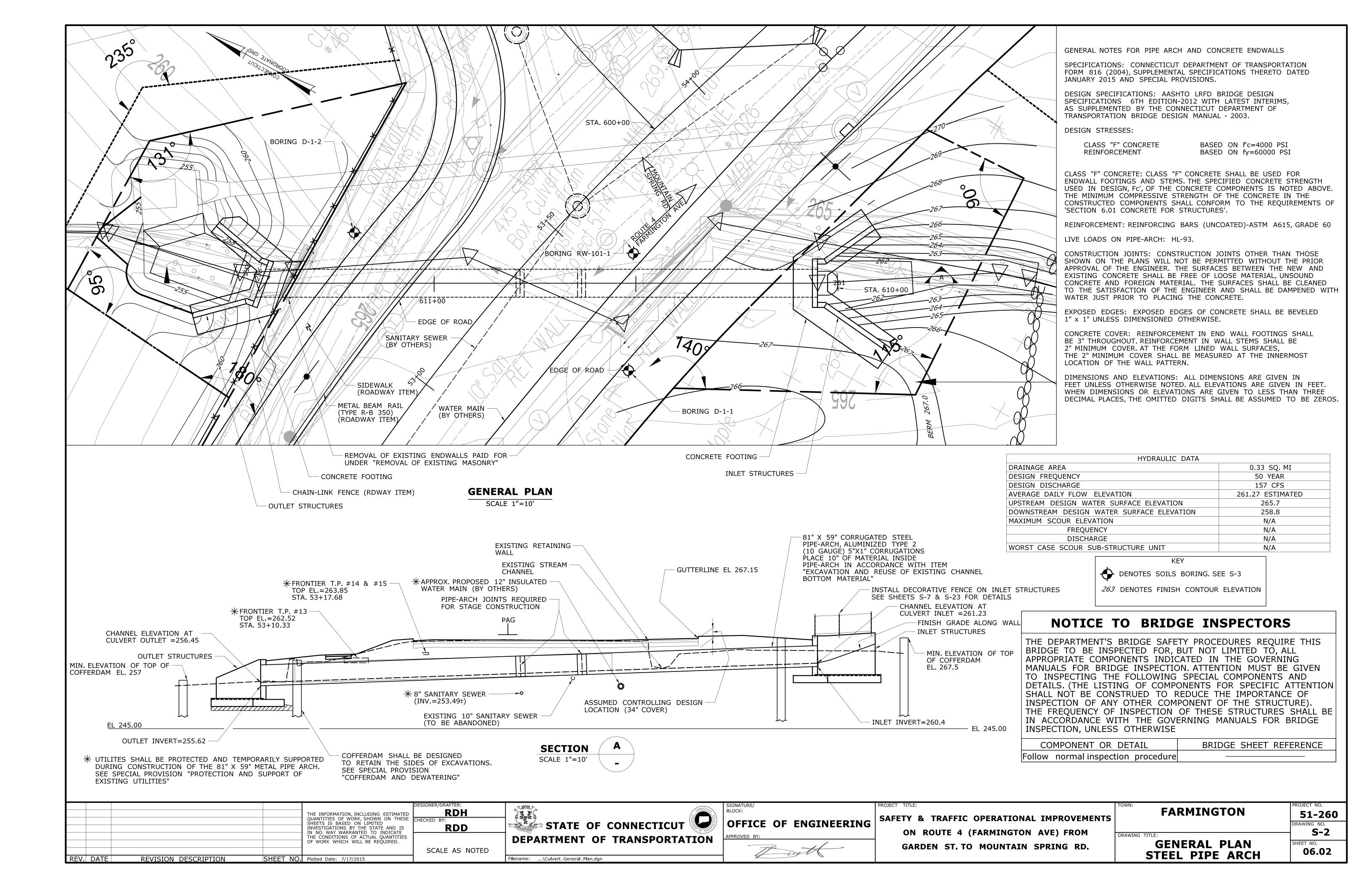
SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS
ON ROUTE 4 (FARMINGTON AVE) FROM
GARDEN ST. TO MOUNTAIN SPRING RD.

FARMINGTON
RAWING TITLE:
INDEX OF DRAWINGS

PROJECT NO.
51-260

DRAWING NO.
S-1

SHEET NO.
06.01



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	Sample   S													
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				isii uc										
												Core Barrel T	ype: NX	
								140lb	s Fa	II: 30in.				
Ground	water O	bservati				0 houi	rs		-					
			•	SAIVIF	LES			ı	12	р <sub>е</sub> _				Œ
Œ	о <u>6</u>		Blov	vs on		л.)	n.)	9	Pe P	aliz		Material Des	cription	5
pth	mp/ec/		San	npler		. (i	c. (i	°	sing	ner ata scri		and Not	es	vati
Inspector   B. Olmstead													쁩	
0-											Ton 6" Ton			
0 - S-1 2 2 3 3 24 11													F	
									_		tr. f Gravel			
_									_					-
5—		١,	•	45	04	0.4	7							-260
	5-2	4	8	15	21	24	1				Gray C-F	SRAVEL and (	C-F SAND, little Silt	F I
-										TILL				F
40														255
10-	S-3	19	76			12	6					1 C-F GRAVEL	and C-F SAND,	233
_											intio Oilt			F
										WEATHERED				
15-														-250
-										BEDROCK	Red-Brown	n medium grair	ned medium	-
-	C-1					60	54	28			bedded hig	hly fractured n	noderately	
													KKOSE. Core times	<u> </u>
20-		+									,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			-245
											Red-Brown	n medium grair	ned medium	
_	C-2					60	60	50			and strong	ARKOSE. Co	re times (min): 6.	-
-											7, 8, 6, 6		,,,,,	
25—		1												240
-											END OF B	ORING 25ft		-
-														
30														235
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35—														-230
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40-		Sam	nlo T	·mo:	8 - 9	Solit C	2000	C = 1	Coro	IID = Undict::-	had Distan	\/ = \/ana Cl	hoor Tost	J <del></del> 225
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%  Total Penetration in NOTES: Possible bedrock encountered at 13.5.' Sheet														
Earth: 1	13.5ft	Rock:	11.5	5ft									1 of	1
No. of			o. of		`									
SOII Sai	mples: 3	C	ore R	uns: 2	<u> </u>						-		SM-001-M R	EV. 1/02

Driller:	J. Do	ner			С	onne	cticu	t DOT Borii	ng Report Hole No.: D-1-2	2
Inspector:	B. Oli	nstea	d	<u></u>	Town:		Farm	ington		8/37ft LT
Engineer:	B. Mo	Kierna	an	-	Project	No.:	51-26	60	Northing: 8253	55
Start Date:	2-5-0	7		T I	Route N	lo.:	4		Easting: 9809	87
Finish Date:	2-5-0	7		T I	Bridge N	No.:			Surface Elevation: 2	62.2
Project Desc			nstruc							
					Sample		Ciza: '	2in CC	Core Borrel Time: N	v
Casing Size/ Hammer Wt.			: in.		Sample Hamme				Core Barrel Type: N	^
Groundwate							14010	S Fall: 30III.		
Journawater	Observ	auoris.		PLES		ioui s				
Depth (ft)	Type/No.	Sa	ws or mpler	1	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0 - - - -								TOPSOIL MISC. FILL	8" Topsoil	_ 260 
5- - - S-	1 9	) 4	7	4	24	10			Red Brown C-F SAND, some f-c Grave	
10 - S-2	2 3	3 12	32	41	24	7		GLACIAL TILL WEATHERED		-250
15 — C-	1				54	24	0	BEDROCK	Red-Brown medium grained medium b intensely fractured moderately weathers strong ARKOSE.	edded ed and
20-									END OF BORING 16.5ft	-245 - -
-										_ 240
25—										
30-										-235 - - - -
35—										-230 - - - - -
40	0-	marle	T	C	5×1;; C	2005	0-1	Coro IID - U	distruthed Diston V = V=== Ch-== T	-225 - -
						-			disturbed Piston V = Vane Shear To %, Some = 20 - 35%, And = 35 - 5	
otal Penetra		, poi 110	.15 05						akdowns during drilling and coring. No	Sheet
Earth: 12ft	Ro	ck: 4.5			core	times	taken.		andowns during drilling and coring. No	1 of 1
No. of Soil Samples		No. of Core I		1						SM-001-M REV. 1/02

Inspector:   B. Olmstead	
Engineer: B. McKiernan	
Start Date: 12-14-06   Route No.: 4   Easting: 981016	
Finish Date:   12-14-06   Bridge No.   Surface Elevation: 267.5	
Casing Size/Type: 4in HW   Sampler Type/Size: 2in SS   Core Barrel Type:	
Hammer Wt.: 300lbs   Fall: 24in.   Hammer Wt.: 140lbs   Fall: 30in.	
SAMPLES   SAMP	
SAMPLES	
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0	Œ
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0	/atik
0	Elevation (ft)
S-1	
S-1 11 13 10 10 24 3 3 3 3 3 3 3 24 0 5 9 9 9 111 29 50 TILL  S-20 30 3 6 8 24 24 0 5 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
S-1 11 13 10 10 24 3 3 3 3 3 3 24 0 9 9 9 11 29 GLACIAL TILL END OF BORING 9.5ft	_ 265
S-2 3 3 3 3 3 24 0 9 9 9 11 29 GLACIAL TILL END OF BORING 9.5ft	
S-2 3 3 3 3 3 24 0 9 11 29 GLACIAL TILL  END OF BORING 9.5ft  20- 25- 30- 30- 30- 30- 30- 30- 30- 30- 30- 30	-
10- -15- 20- 25- 30- 30- -1- 30-	
10—	-260
15— 20— 25— 30—	L
15— 20— 25— 30—	
20	
20	-255 -
20	_
25-	-
25-	− −250
25-	_ 250
25-	-
- - - - 30- - - - - -	
	-245
	-
	F
	-240
35—	F
35—	− −235
35—	L 200
	<u> </u>
	-230
	<u> </u>
40	厂
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test	
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%	
Total Penetration in NOTES: Boring terminated at 9.5' due to high traffic volumes.	
Earth: 9.5ft Rock: Oft	1
No. of No. of	D/ 4/00
Soil Samples: 3 Core Runs: SM-001-M RE	EV. 1/02

BORING D-1-1

**BORING D-1-2** 

BORING RW-101-1

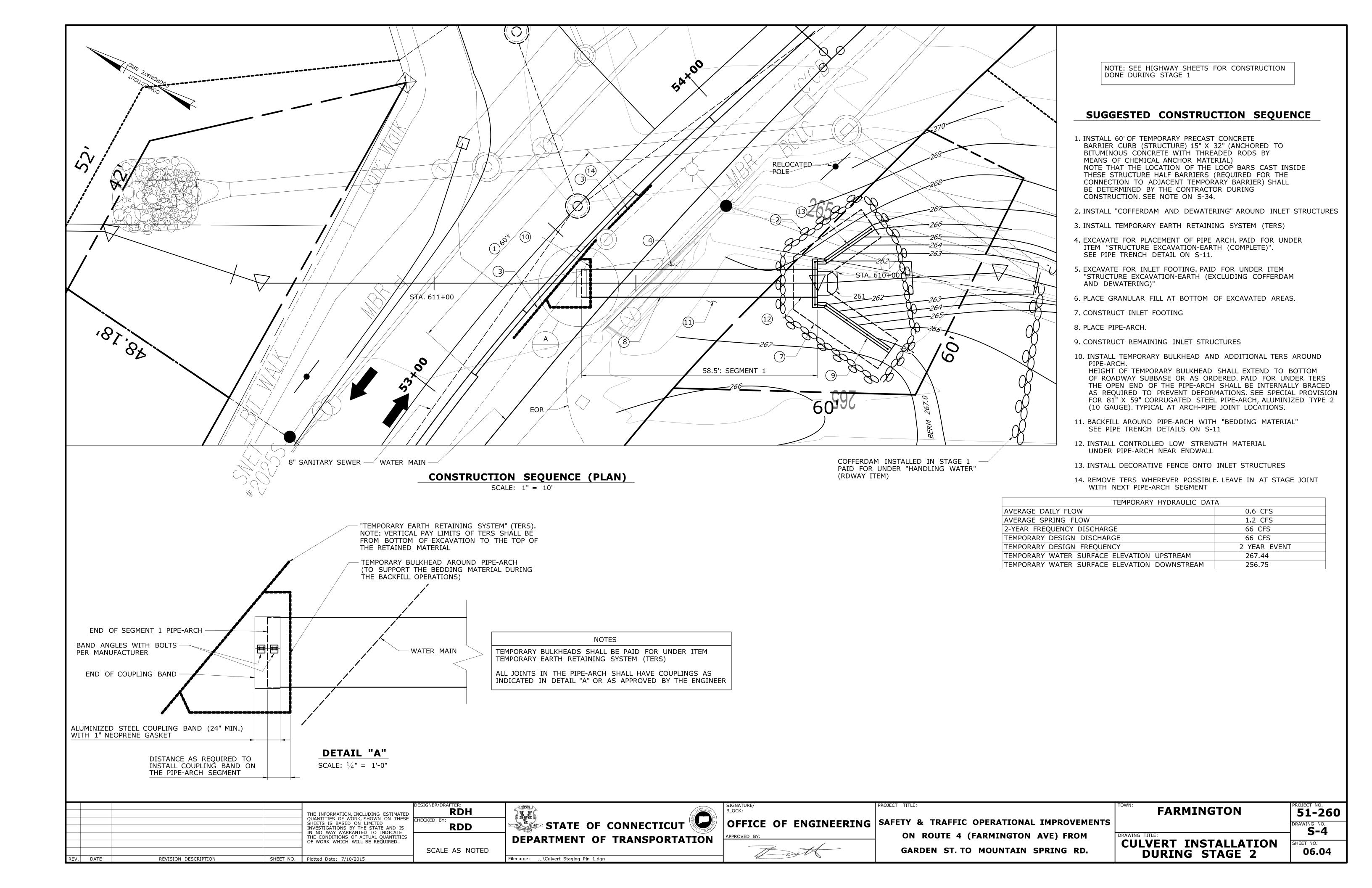
Driller:	M Mc	Donougl	<u>. T</u>	Cal	nnec	ticut	DOT Borin	a Pa	nort	Hole No.: R-	4-1	
Inspector:				own:			RMINGTON	y ite	ρυπ	Stat./Offset:	T	
Engineer:											5344	
Start Date:											9781	
Finish Date					No.					Surface Elevat		
							<u></u>			Ouriace Lieval	1011. 223.0	
			_	ruction of Route 4								
				ampler Type/Size:SS 1.375 in Core Barrel Tammer Wt.:140 lbs Fall: 30 in					Core Barrer Ty	pe:		
Hammer V		all:								ro @ offer	houre	
<u>Groundwa</u>		SAMPLES		יואי	anter	<u> </u>	hours, @	aft	<u>er nou</u>	rs, @ after	hours	T
£		ows on		$\widehat{}$		I	Generalized Strata Description			Matarial Dana		Elevation (ft)
Depth (ft) Sample Type/No.				Pen. (in.)	(in.)	%	la sign			Material Desc	•	l i
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0												
S-1	1 1	2 8		24	11		TOPSOIL		TOPSOIL	-		F
1	1						SAND					- 22
												⊩ ′′
5 - S-2	12 11	11 13		24	14					rown C-F SAND, tr	Silt, tr f-c	F
-	-								Gravel			- - 21
4												F 21
10 - S-3	14 12	17 38		24	13				Yellow-Br	rown C-F SAND, tr	Silt	lt.
1									Bottom of B			الر
									(Bottom of B	oning		4
Sa	mple Ty	pe: S=	Split	Spc	on (	C=Cc	re UP = Un	distu	rbed Pist	on V = Vane Sh	near Test	
Prop	ortions	Used:	Ггасе	e = 1	- 10	%,	Little = 10 - 2	20%,	Some =	: 20 - 35%, An	d = 35 - 50%	)
Total Pene					OTES			,		,	Sheet	
Earth: 12	Rock:			''	J   L	٥.					1 of 1	
				$\dashv$								
No. of San	nples: 3										SM-001-M REV	'. 1/02

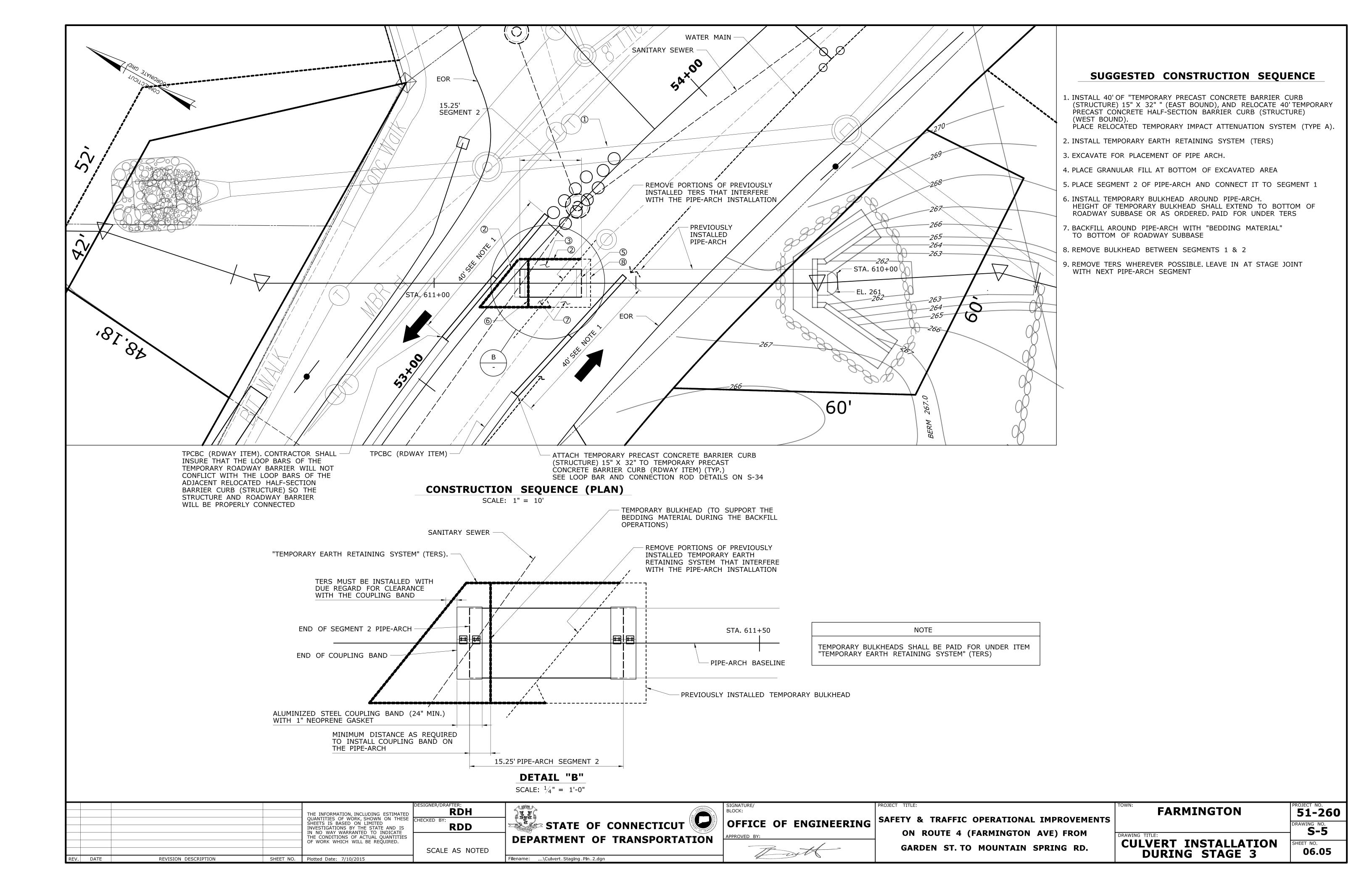
Driller:	N	Л. McD	onou	gh		C	onne	cticu	ıt DOT Bori	ng Report	Hole No.: R-ACC-4		
nspect	or: E	3. Olms	stead		Т	own:		Farm	ington		Stat./Offset:		
Engine	er: E	B. McKi	ernar	า	F	roject l	No.:	51-26	60		Northing: 825314		
Start Da	ate: 1	2-12-0	16		F	Route N	o.:	4			Easting: 979943		
inish [		2-12-0			E	Bridge N	lo.:				Surface Elevation: 225.2	?	
Project	Descript	ion: R	econ	struc	tion of	Route	e 4						
	Size/Typ							(Sizo: '	2in SS		Core Barrel Type:		=
-lamme		76. T.Z.	Fall:			lamme					Core Darrer Type.		
	water O	bservati				fter 0 h		1 1010	5 Tun. 0011.				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		500, 100			PLES		.00.0						_
Depth (ft)	Sample Type/No.	p	Blow	s on		Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Ma	aterial Description and Notes		Elevation (ft)
0-		+							TOPSOIL			-2	25
+	6.4	1	7	F	,	0.4	_		101 GOIL	TOROG:		-  -	_
	S-1	3	7	5	4	24	8			TOPSOIL			
4									MISC. FILL	1		F	
5— - -	S-2	6	13	15	18	24	8			Red-Brown C-F : Gravel	SAND, some Silt, some m-	f2	20
-	-									Dad Dawn E C	CAND Cill to 14/	_	
10	\ S-3	50				1	1		SAND	Gravel	SAND, some Silt, tr. Wood		4.5
-	S-4	16	18	96		18	7			Red-Brown F-C	SAND, little Silt, tr. f Gravel		15
										END OF BORIN	G 11.5ft	-	
15-													10
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35-												<u>-</u> 1	90
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40	l		-								V = Vane Shear Test		
			JI UON	S US6	au. I			U70,	Little - 10 - 20	70, Sume = 20 -	35%, And = 35 - 50%	6.	
	enetratio					ТОИ	ES:					Sheet 1 of 1	
arth:	11.5ft	Rock:				_						1 01 1	
No. of	mples: 4		o. of ore Ru									1-001-M REV.	4100

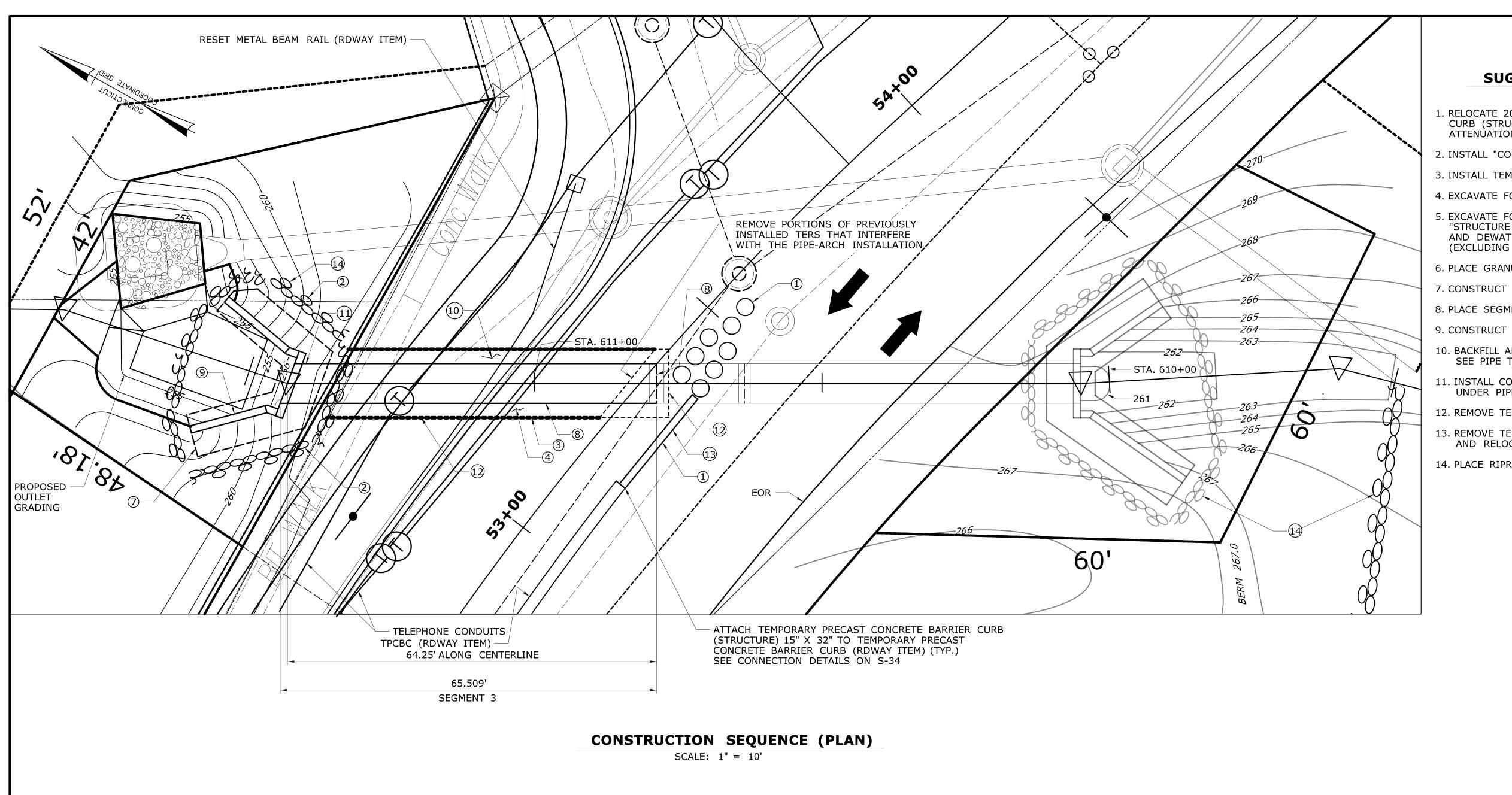
**BORING R-4-1** 

**BORING R-ACC-4** 

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE	JJK CHECKED BY:	- CONNECTICITY	BLOCK:	SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS	FARMINGTON	51-260
SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES	RDD	TRANSPORT STATE OF CONTINENTS	OFFICE OF ENGINEERING  APPROVED BY:	ON ROUTE 4 (FARMINGTON AVE) FROM	DRAWING TITLE:	- S-3
OF WORK WHICH WILL BE REQUIRED.	SCALE AS NOTED	DEPARTMENT OF TRANSPORTATION		GARDEN ST. TO MOUNTAIN SPRING RD.	BORING LOGS	SHEET NO. <b>06.03</b>
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/9/2015		Filename:\SB_Route_4_files\Borings.dgn				



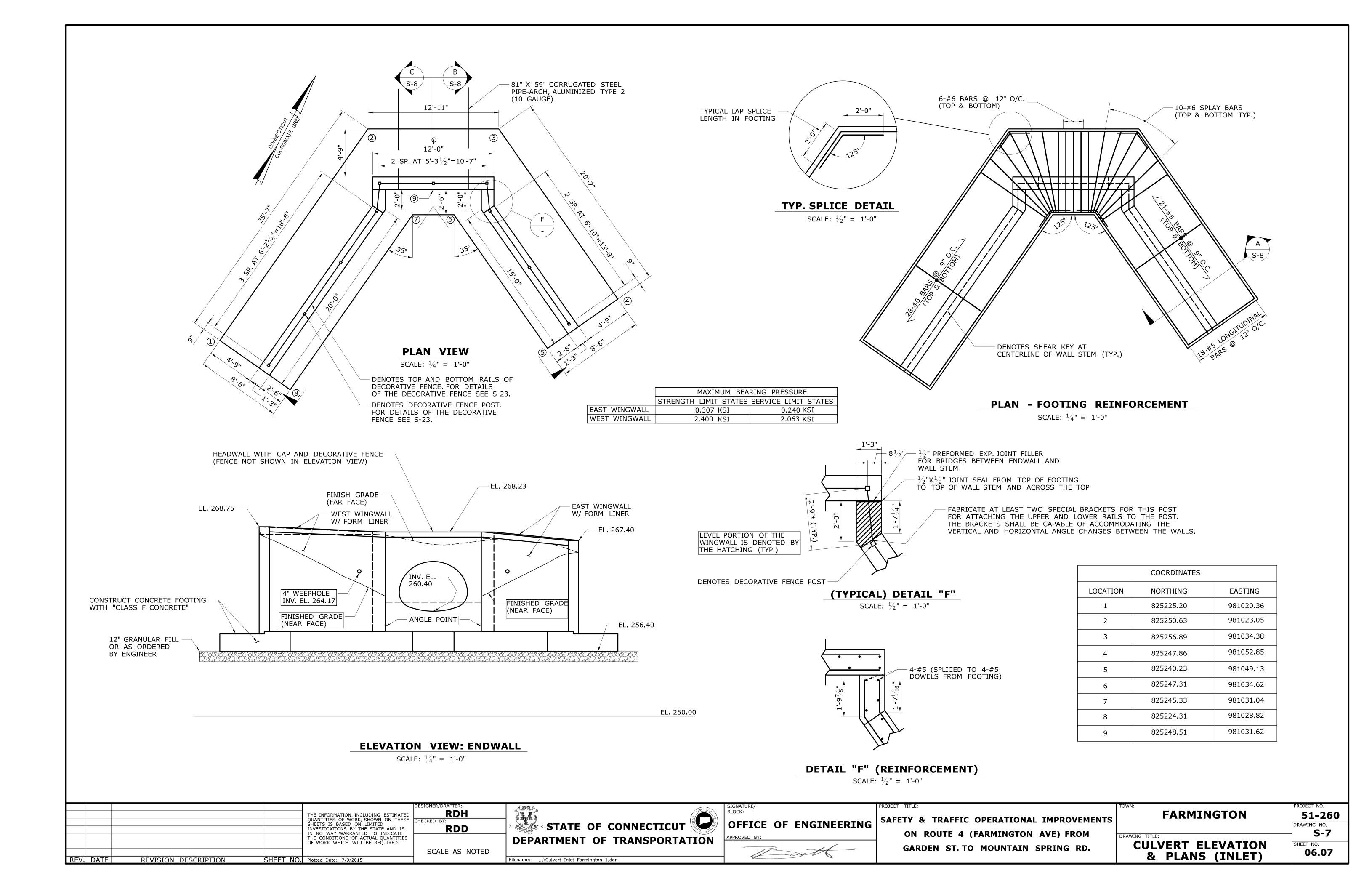


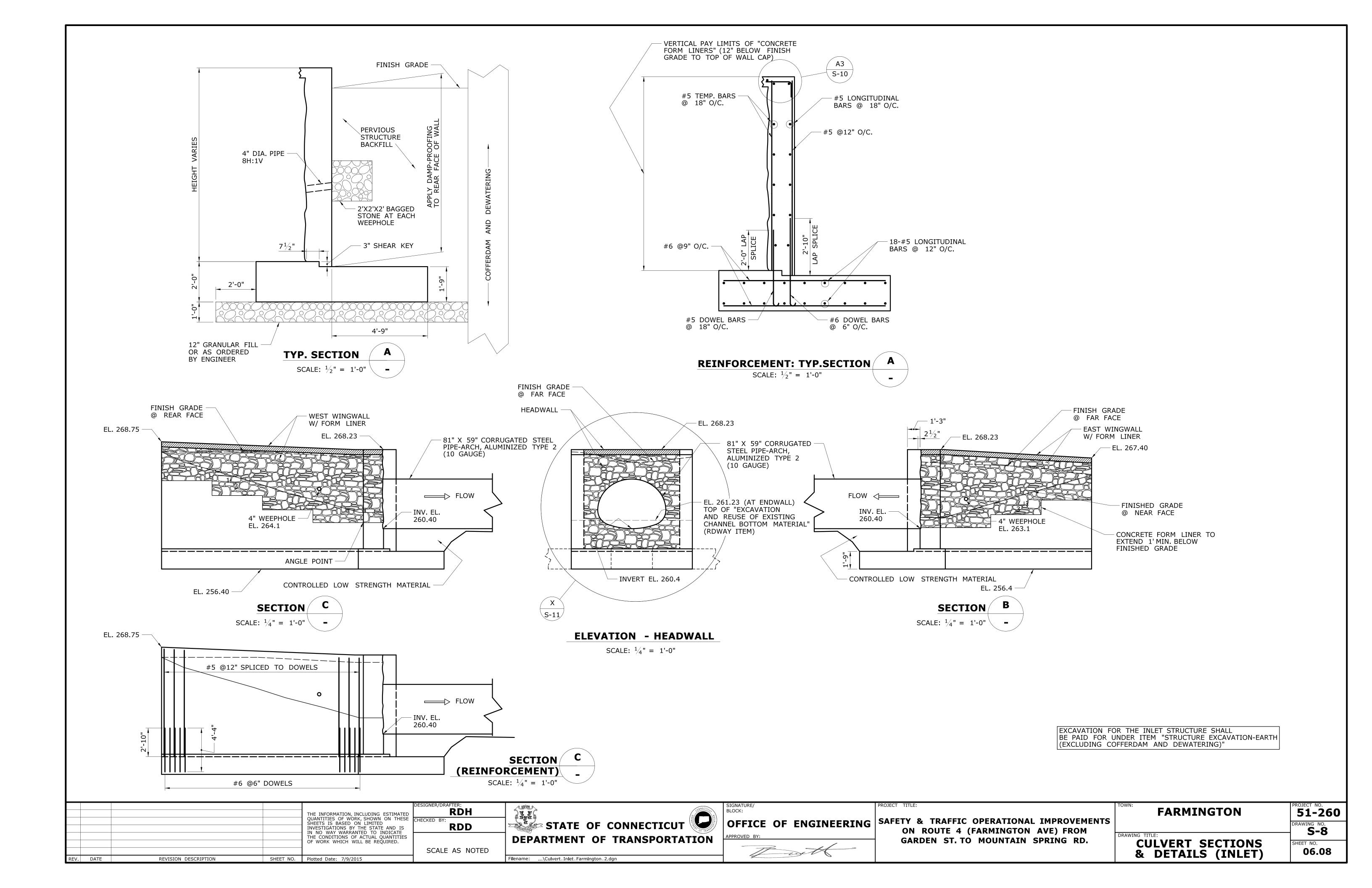


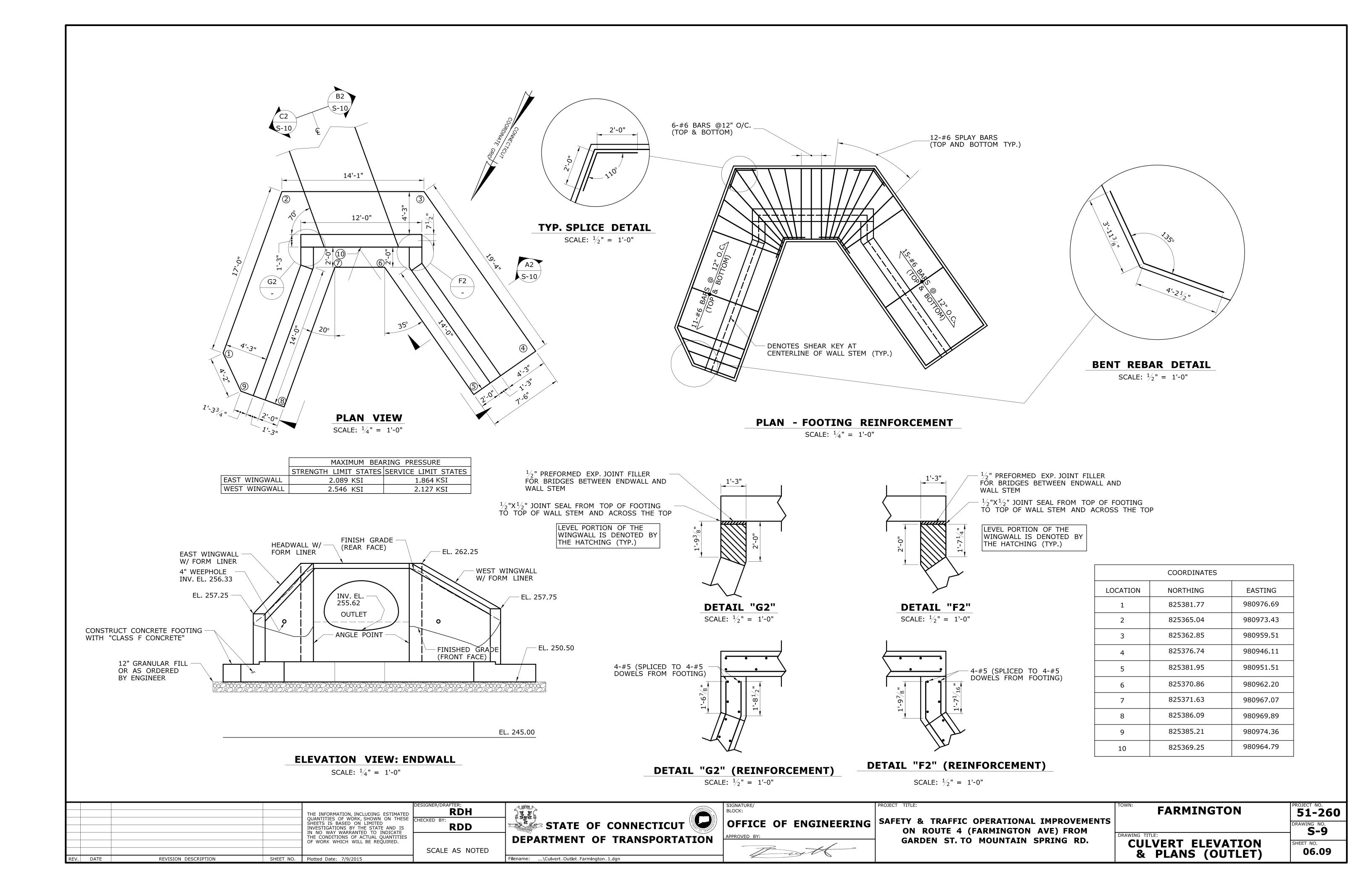
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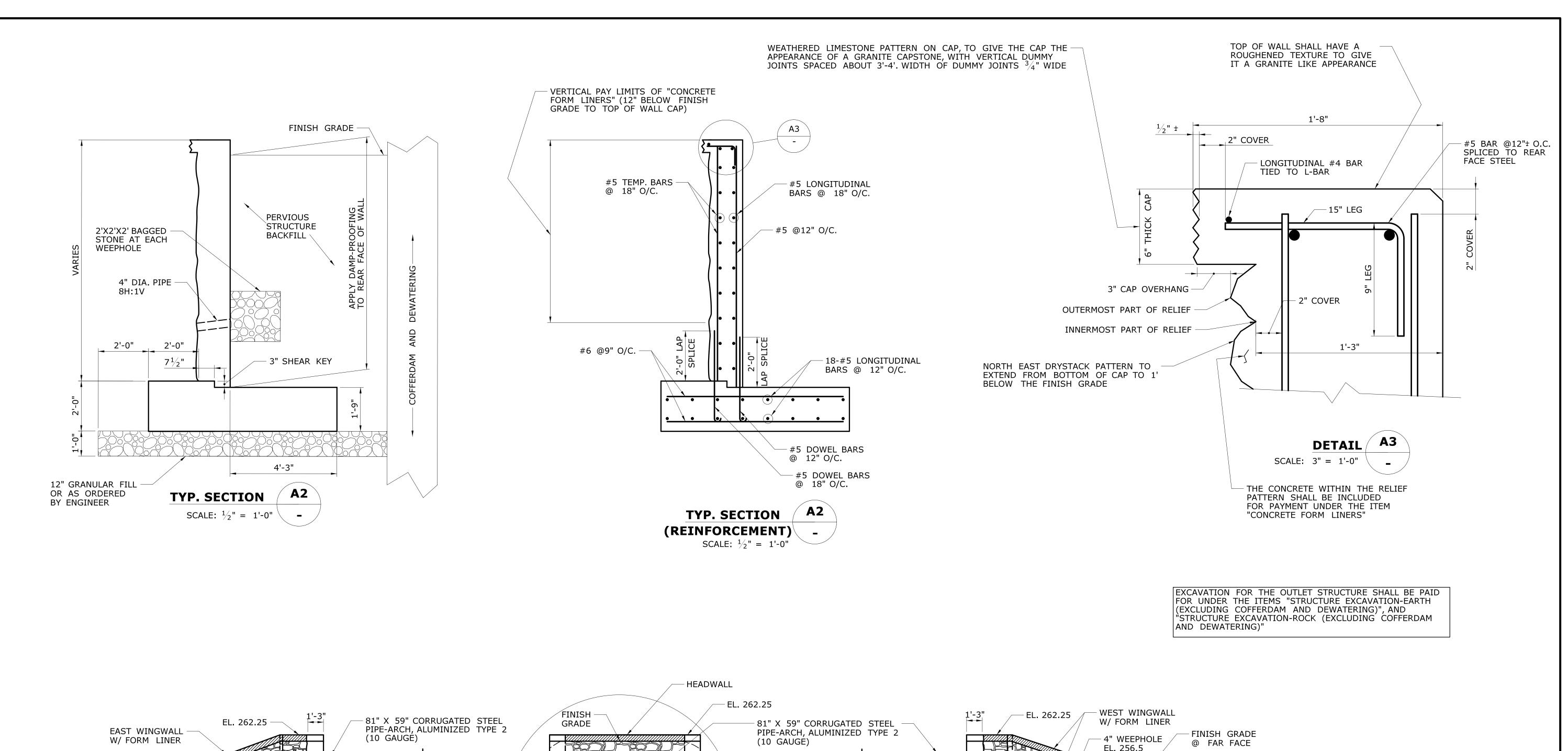
- 1. RELOCATE 20' OF TEMPORARY PRECAST CONCRETE HALF-SECTION BARRIER CURB (STRUCTURE) AND PLACE RELOCATED TEMPORARY IMPACT ATTENUATION SYSTEM (TYPE A)
- 2. INSTALL "COFFERDAM AND DEWATERING" AROUND OUTLET STRUCTURES
- 3. INSTALL TEMPORARY EARTH RETAINING SYSTEM (TERS)
- 4. EXCAVATE FOR PLACEMENT OF PIPE-ARCH.
- 5. EXCAVATE FOR OUTLET FOOTING. PAID FOR UNDER ITEMS "STRUCTURE EXCAVATION-EARTH (EXCLUDING COFFERDAM AND DEWATERING)", AND "STRUCTURE EXCAVATION-ROCK (EXCLUDING COFFERDAM AND DEWATERING)"
- 6. PLACE GRANULAR FILL AT BOTTOM OF EXCAVATED AREAS.
- 7. CONSTRUCT OUTLET FOOTING
- 8. PLACE SEGMENT 3 OF PIPE-ARCH AND CONNECT TO SEGMENT 2
- 9. CONSTRUCT REMAINING OUTLET STRUCTURES
- 10. BACKFILL AROUND PIPE-ARCH WITH "BEDDING MATERIAL" SEE PIPE TRENCH DETAILS ON S-11
- 11. INSTALL CONTROLLED LOW STRENGTH MATERIAL UNDER PIPE-ARCH NEAR ENDWALL
- 12. REMOVE TERS AND BULKHEAD BETWEEN SEGMENTS 2 & 3.
- 13. REMOVE TEMPORARY STRUCTURE BARRIER (15" X 32")
  AND RELOCATE TEMPORARY IMPACT ATTENUATION SYSTEM
- 14. PLACE RIPRAP AND REMOVE COFFERDAMS

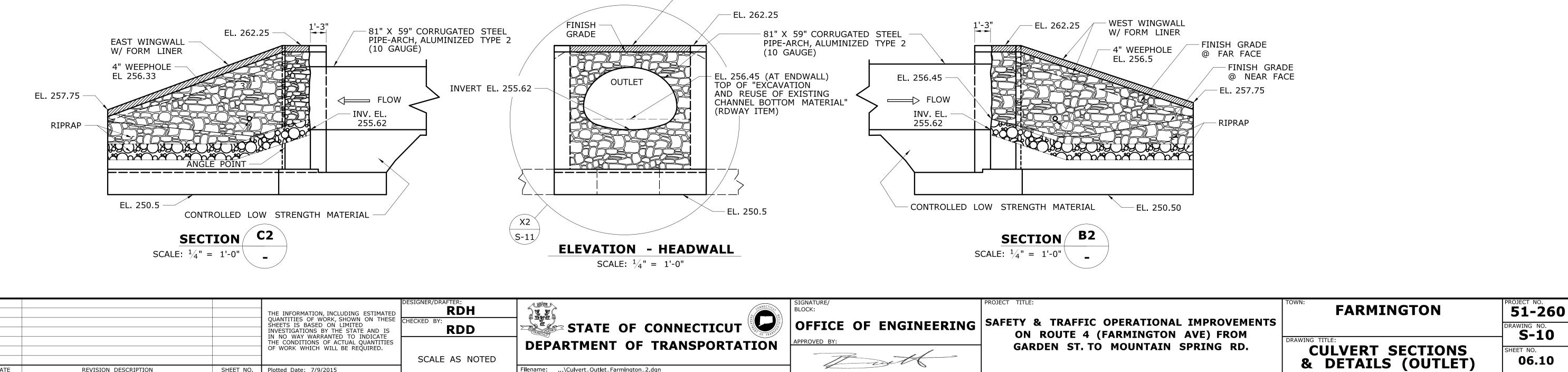
	THE INFORMATION, INCLUDING ESTIMATED DESIGNER/DRAFTER:	CONNECTICAL STATES	SIGNATURE/ BLOCK:	PROJECT TITLE:	FARMINGTON	51-260
	QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS	STATE OF CONNECTICUT	OFFICE OF ENGINEERING			DRAWING NO.  S-6
	IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES	DEPARTMENT OF TRANSPORTATION	APPROVED BY:	ON ROUTE 4 (FARMINGTON AVE) FROM	DIVINITIO TITLE!	<b>S-6</b>
	OF WORK WHICH WILL BE REQUIRED.  SCALE AS NO		THE H	GARDEN ST. TO MOUNTAIN SPRING RD.	CULVERT INSTALLATION	SHEET NO. <b>06.06</b>
REV. DATE REVISION DESCRIPTION SHEET	NO. Plotted Date: 7/10/2015	Filename:\Culvert_Staging_Pln_3.dgn	1 iser		DURING STAGE 4	00100











SCALE AS NOTED

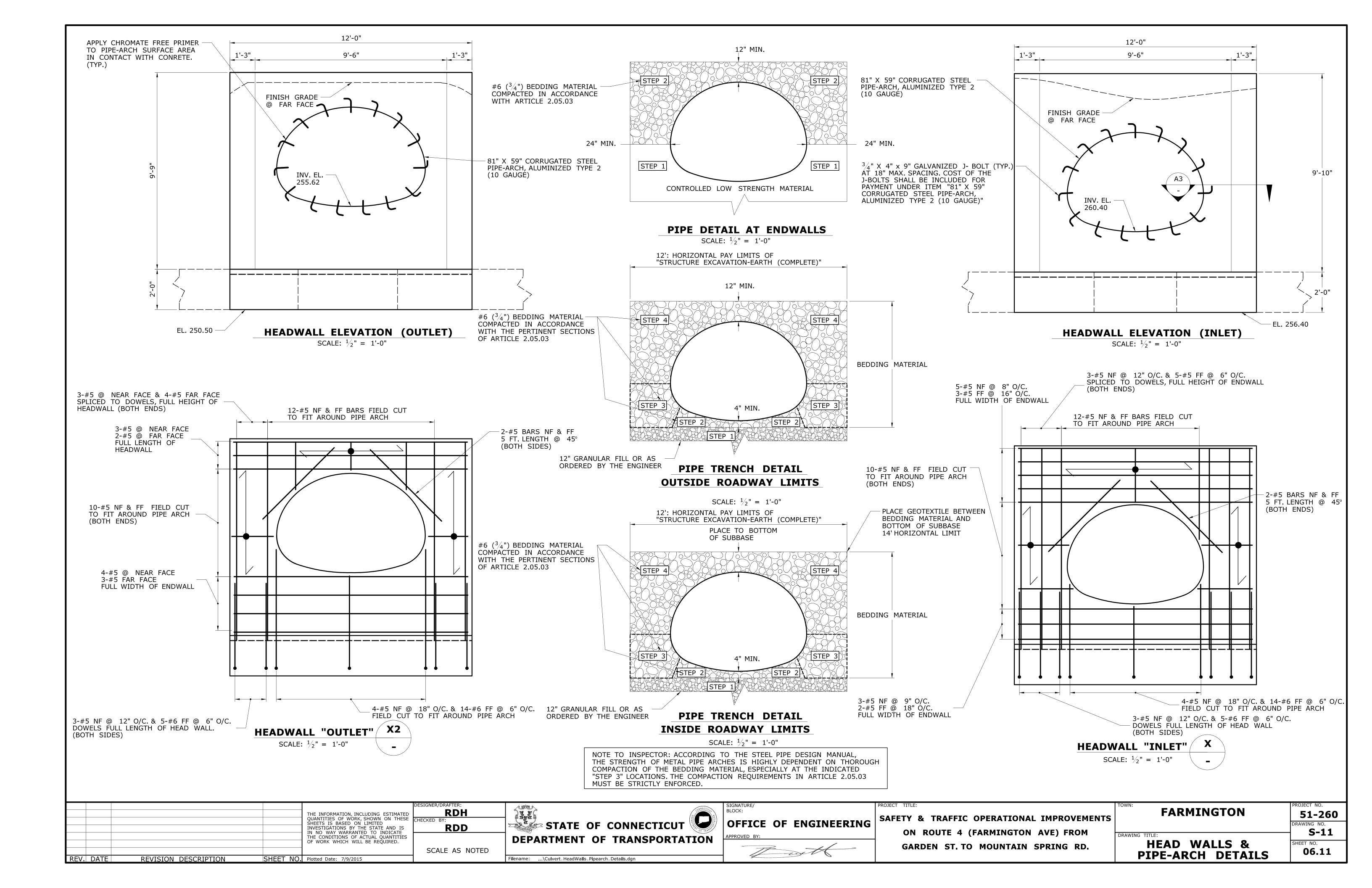
REVISION DESCRIPTION

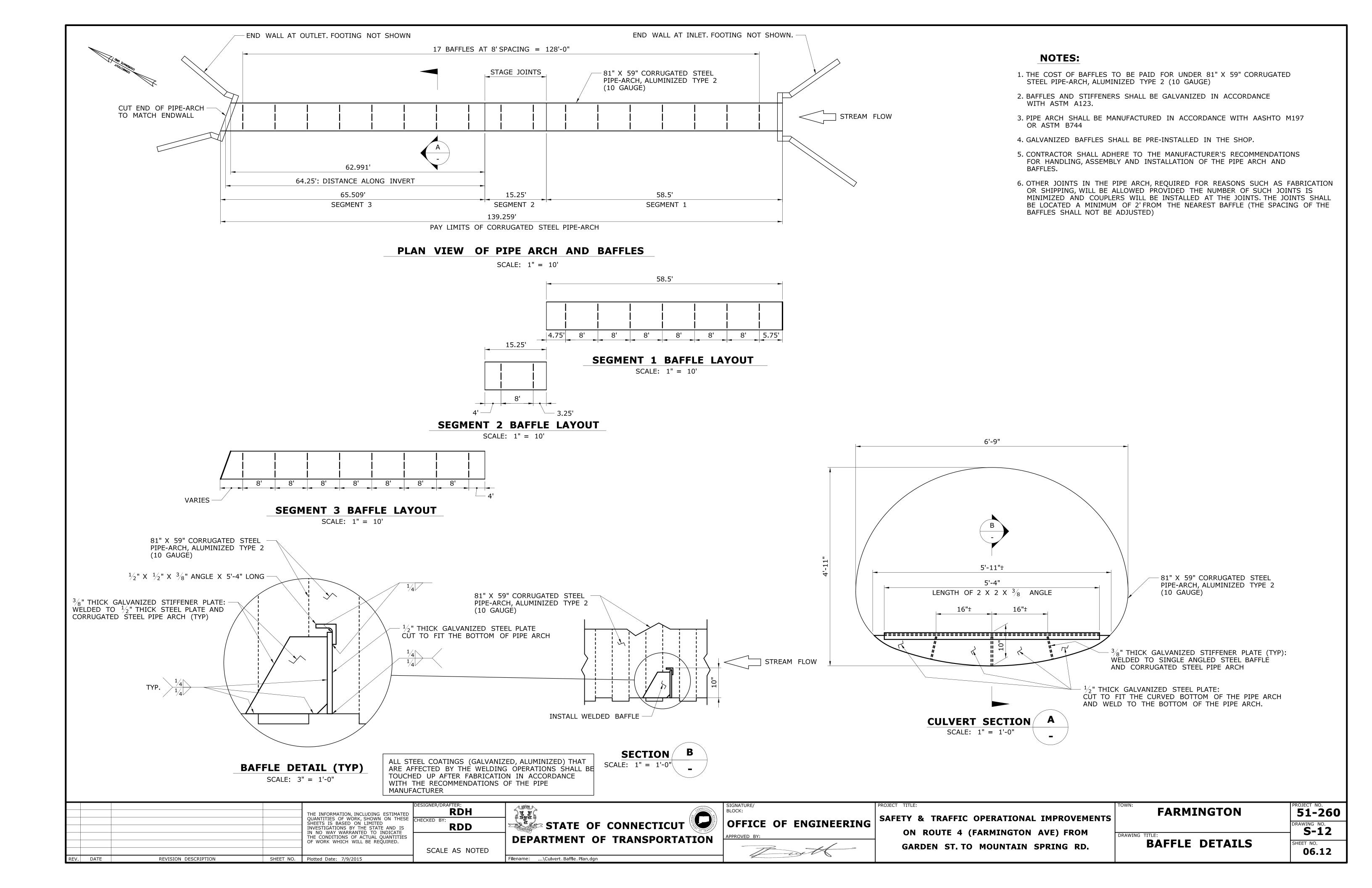
REV. DATE

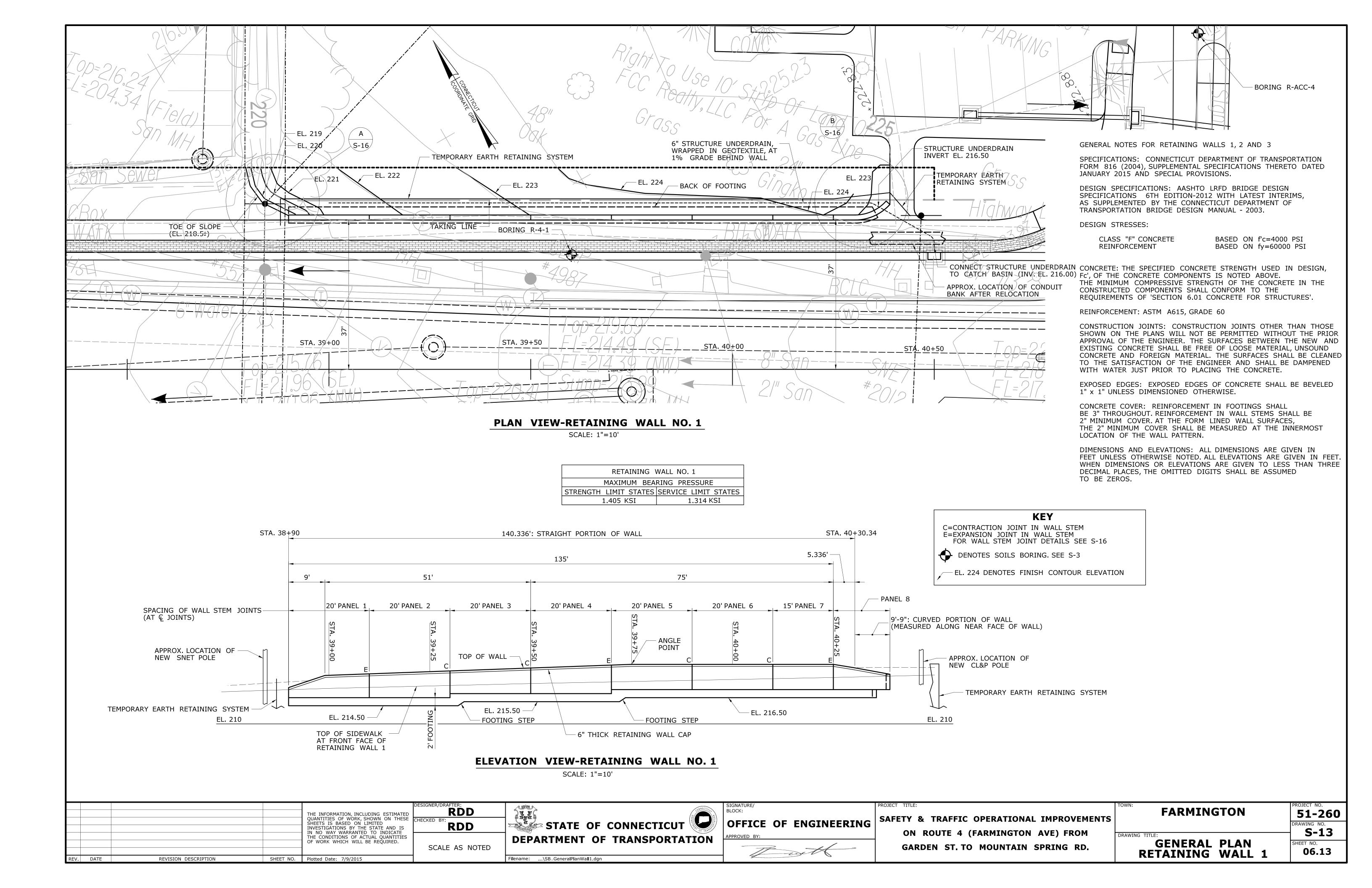
SHEET NO. Plotted Date: 7/9/2015

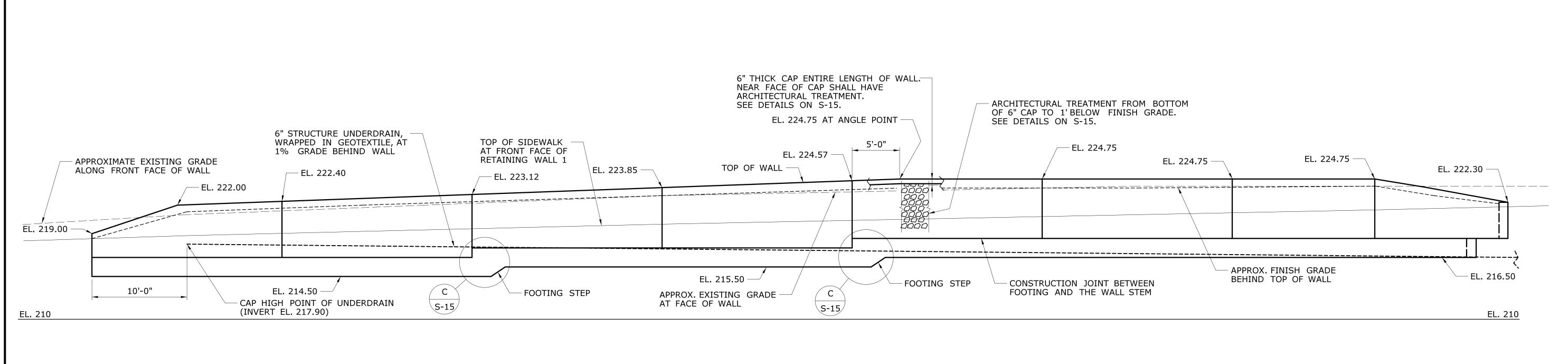
Filename: ...\Culvert\_Outlet\_Farmington\_2.dgn

06.10



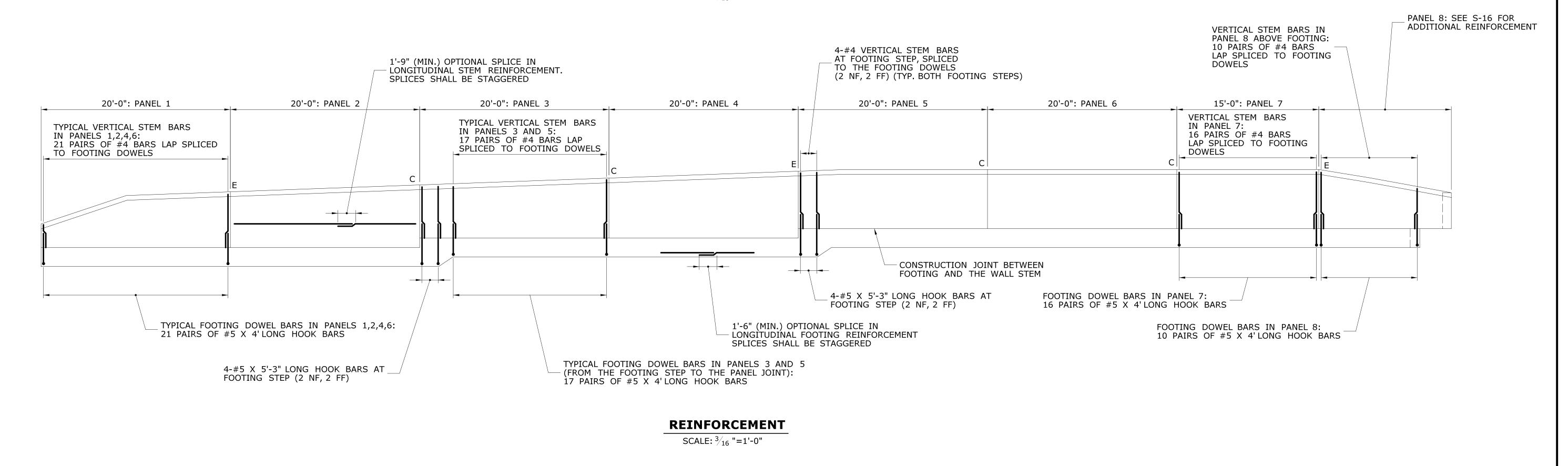




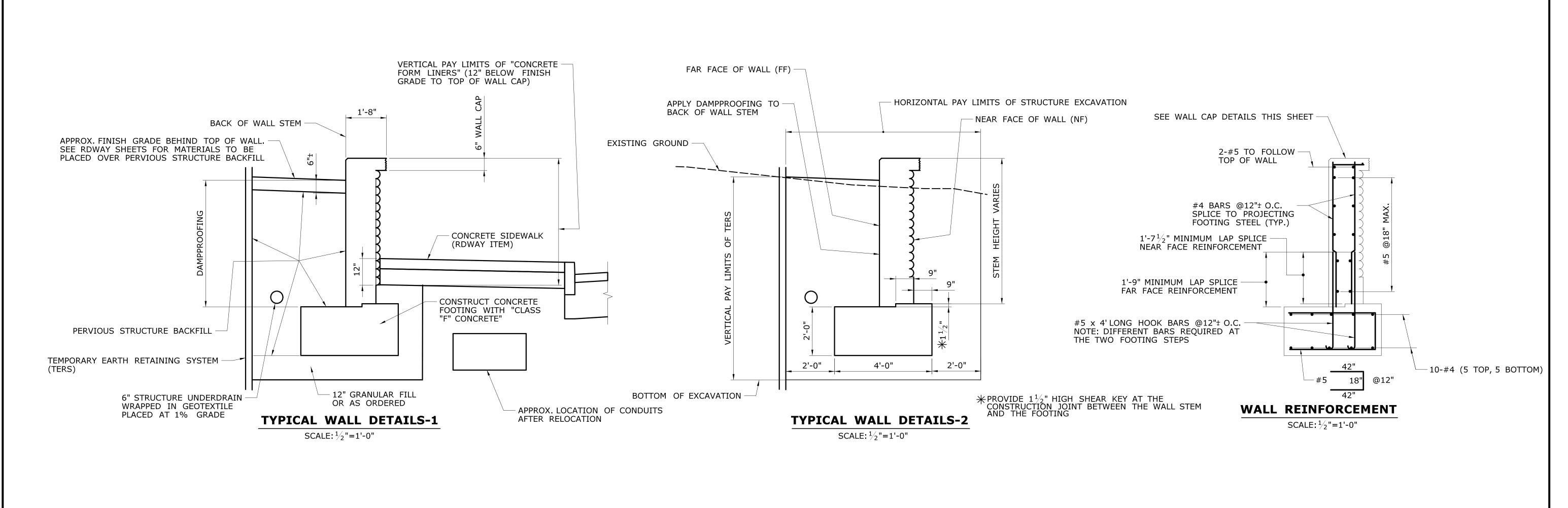


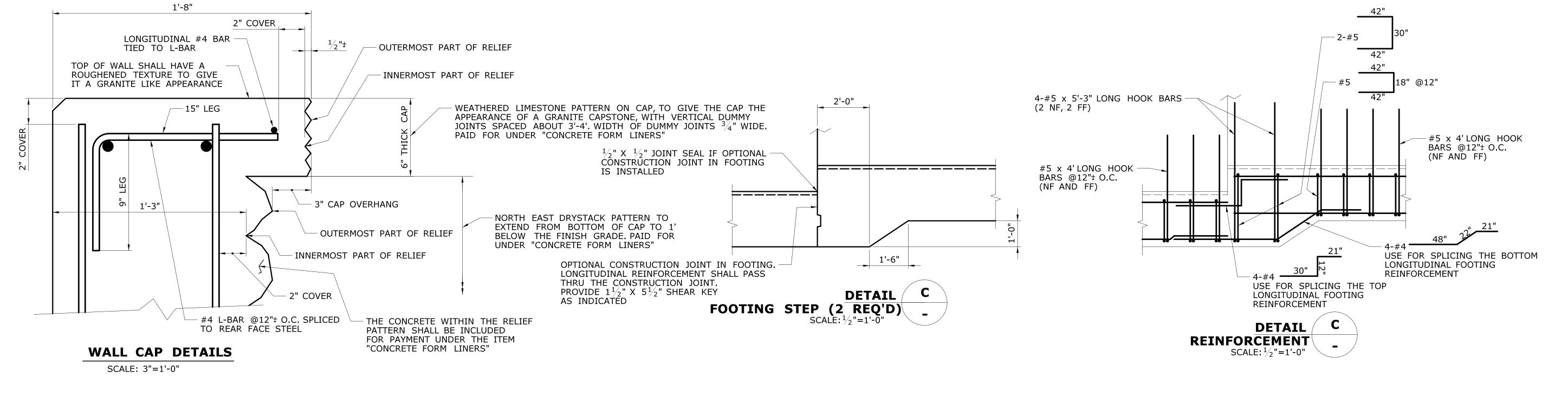
#### **ELEVATION VIEW-RETAINING WALL NO. 1**

SCALE:  $\frac{3}{16}$  "=1'-0"

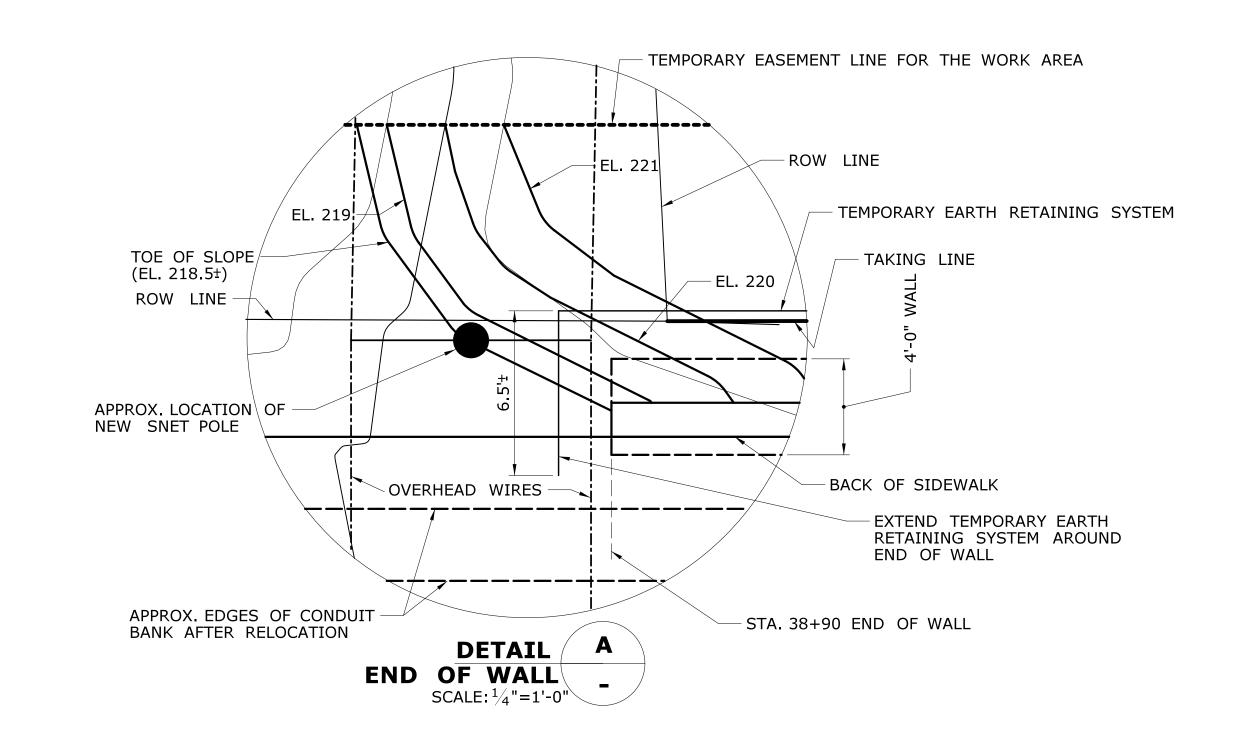


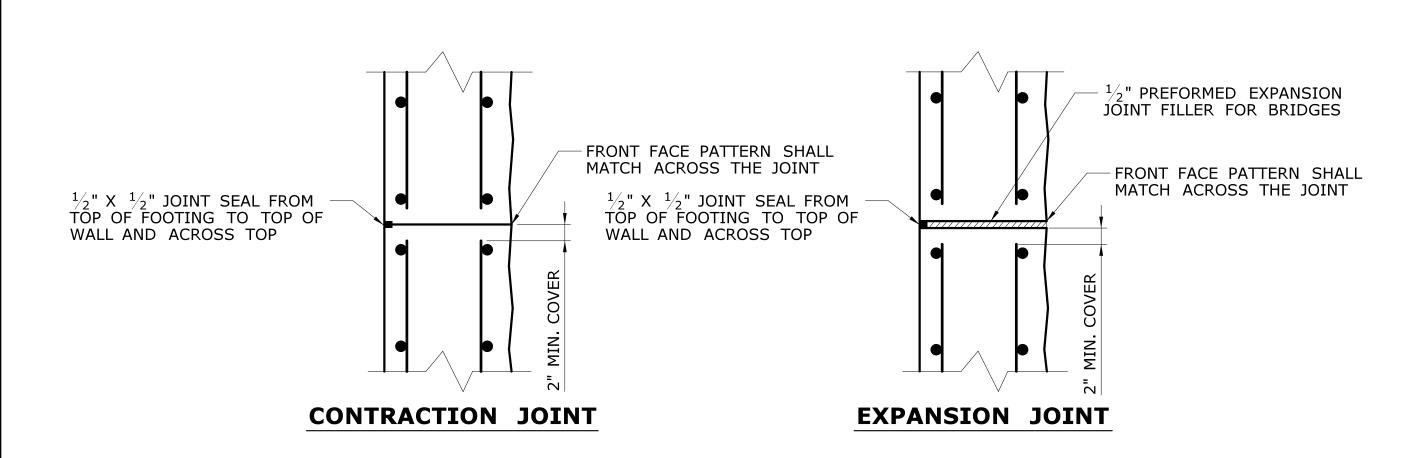
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE CHEETS IS PASED ON LIMITED	RDD  CHECKED BY:	CONNECTICIA TO THE CONNEC	BLOCK:	SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS	FARMINGTON	51-260
SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANT OF INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	RDD	DEPARTMENT OF TRANSPORTATION	APPROVED BY:	ON ROUTE 4 (FARMINGTON AVE) FROM	DRAWING TITLE:	DRAWING NO.  S-14
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/9/2015	SCALE AS NOTED	Filename:\SB_Wall1DetailsAA.dgn	The well	GARDEN ST. TO MOUNTAIN SPRING RD.	RETAINING WALL 1 DETAILS-1	06.14





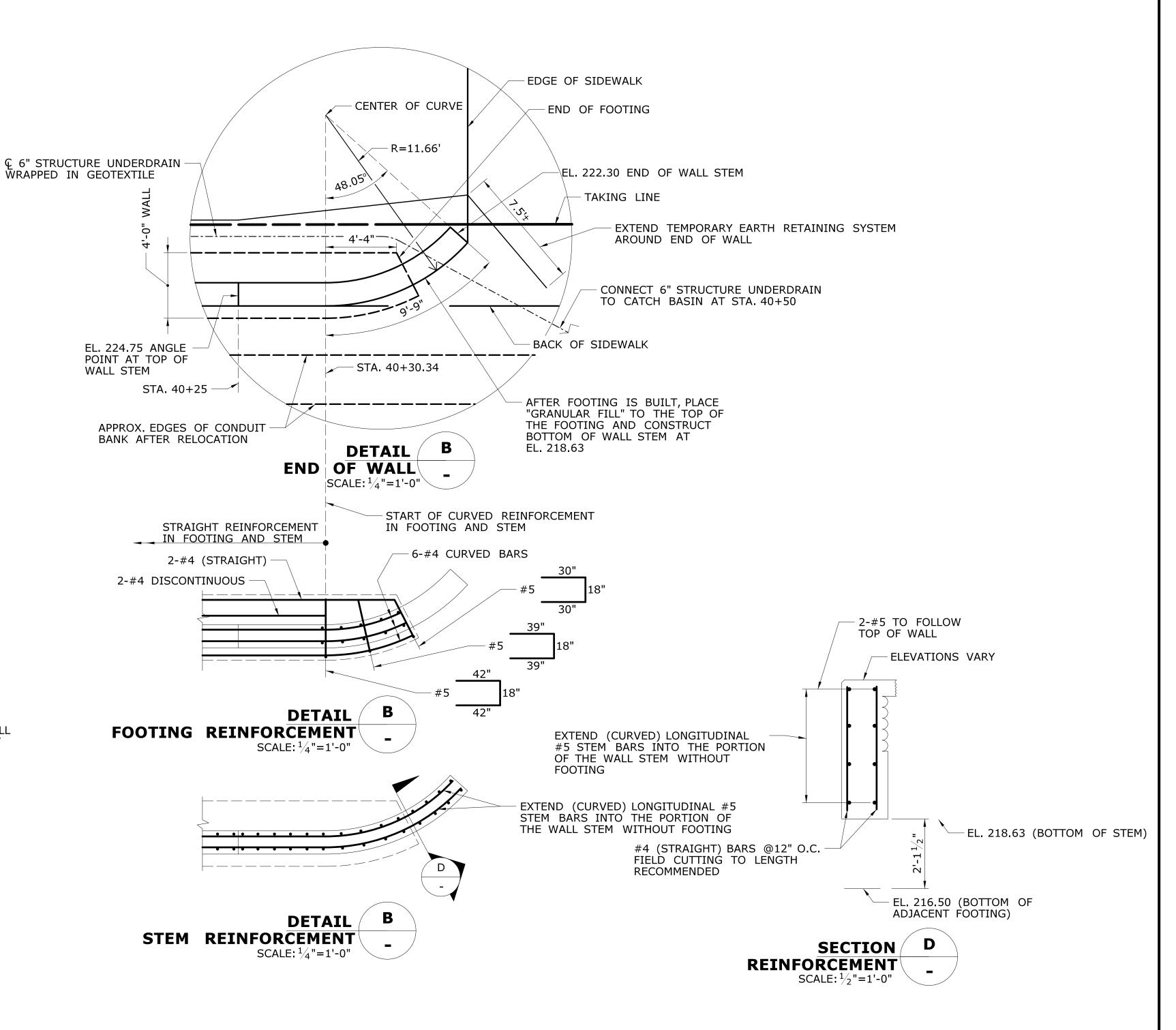
		ECICNED (DDAETED)				Troug	Innoiset No
	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	RDD  HECKED BY:  JK  SCALE AS NOTED	STATE OF CONNECTICUT  DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK:  OFFICE OF ENGINEERING  APPROVED BY:	SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS ON ROUTE 4 (FARMINGTON AVE) FROM GARDEN ST. TO MOUNTAIN SPRING RD.	DRAWING TITLE:  RETAINING WALL 1	DRAWING NO. S-15  SHEET NO. 06.15
REV. DATE REVISION DESCRIPTION	SHEET NO. Plotted Date: 7/9/2015		Filename:\SB_Wall1DetailsA1.dgn			DETAILS-1	



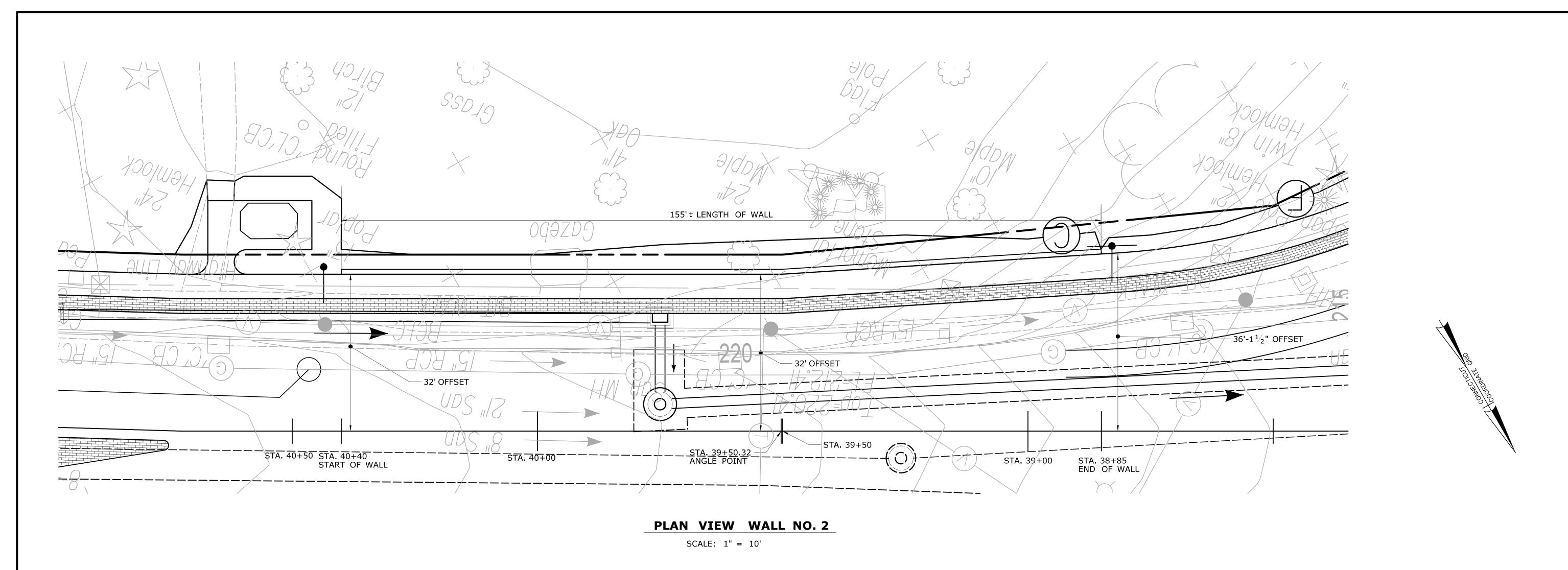


VERTICAL WALL STEM JOINT DETAILS

SCALE: 1"=1'-0"

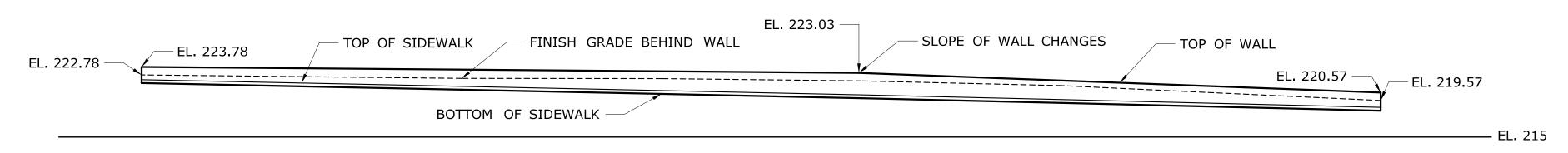


		DESIGNA	RDD	CONNECTICO)	SIGNATURE/ BLOCK:	PROJECT TITLE:	FARMINGTON	PROJECT NO.
	Th Q	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE CHECKE	KED BY:			SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS	PARMINGTON	51-260
	SF II	SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS	JJK	STATE OF CONNECTICUT	OFFICE OF ENGINEERING			DRAWING NO.
	IN T'	IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES		DEPARTMENT OF TRANSPORTATION	APPROVED BY:	ON ROUTE 4 (FARMINGTON AVE) FROM	DRAWING TITLE:	<b>─</b> S-16
	Of	OF WORK WHICH WILL BE REQUIRED.	SCALE AS NOTED	DEPARTMENT OF TRANSPORTATION		GARDEN ST. TO MOUNTAIN SPRING RD.	RETAINING WALL 1	SHEET NO.
			SCALL AS NOTED		1 wet	CARDEN SILIC HOSKIAIN SIRING RDI	DETAILS-2	06.16
REV.	. DATE REVISION DESCRIPTION SHEET NO. PIG	Plotted Date: 7/9/2015		Filename:\SB_Wall1DetailsB.dgn			DLIAILS Z	



## TABLE OF ELEVATIONS

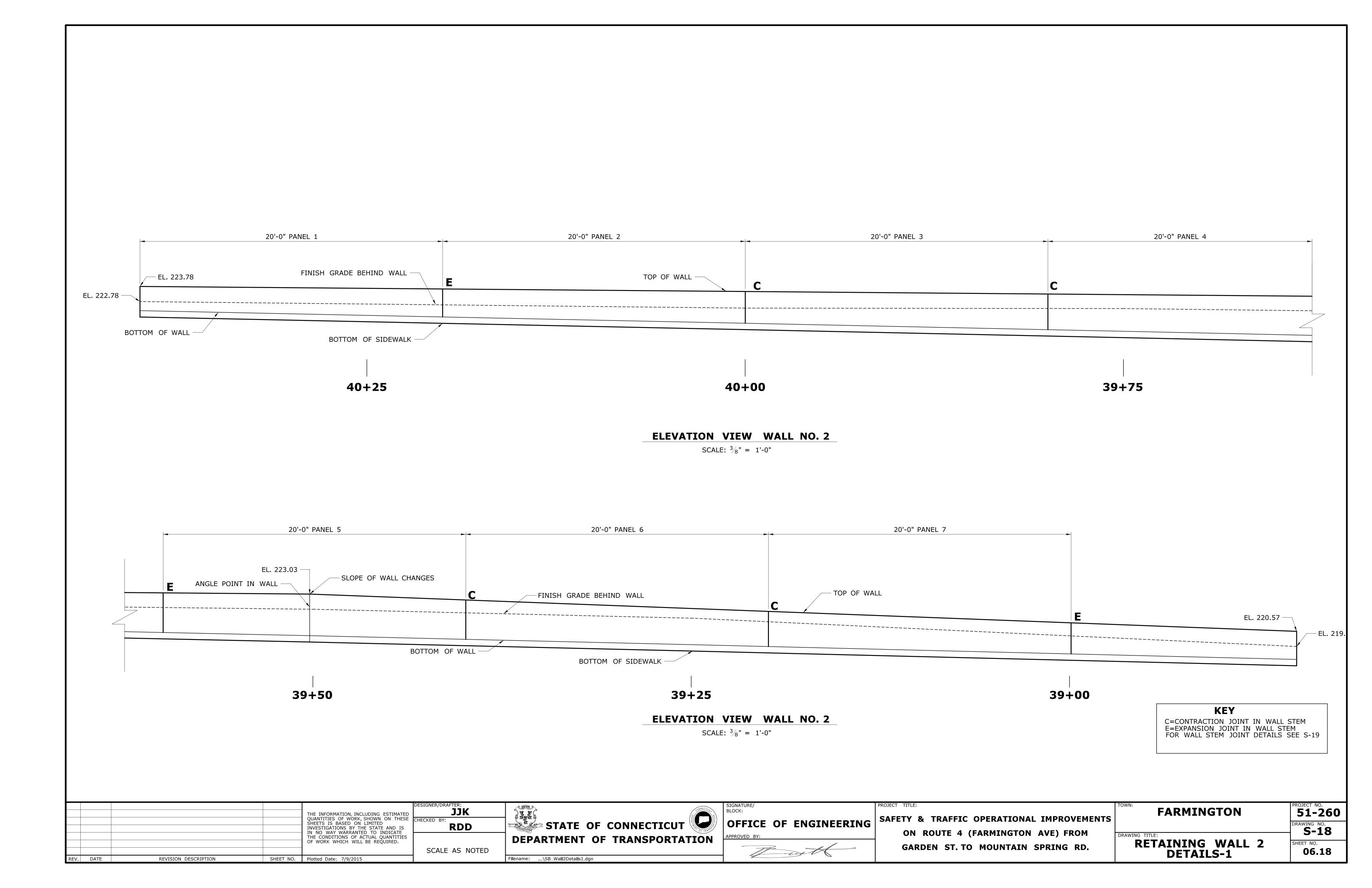
STATION	TOP OF SIDEWALK	TOP OF WALL
39+00	219.02	221.13
39+25	219.69	222.08
39+50	220.28	223.02
39+75	220.82	223.24
40+00	221.35	223.45
40+25	221.87	223.66

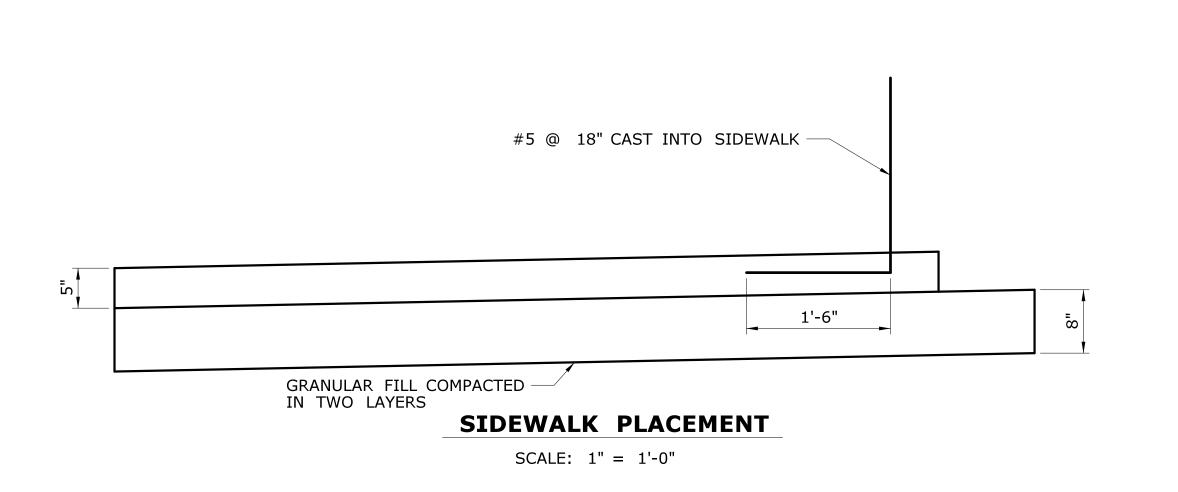


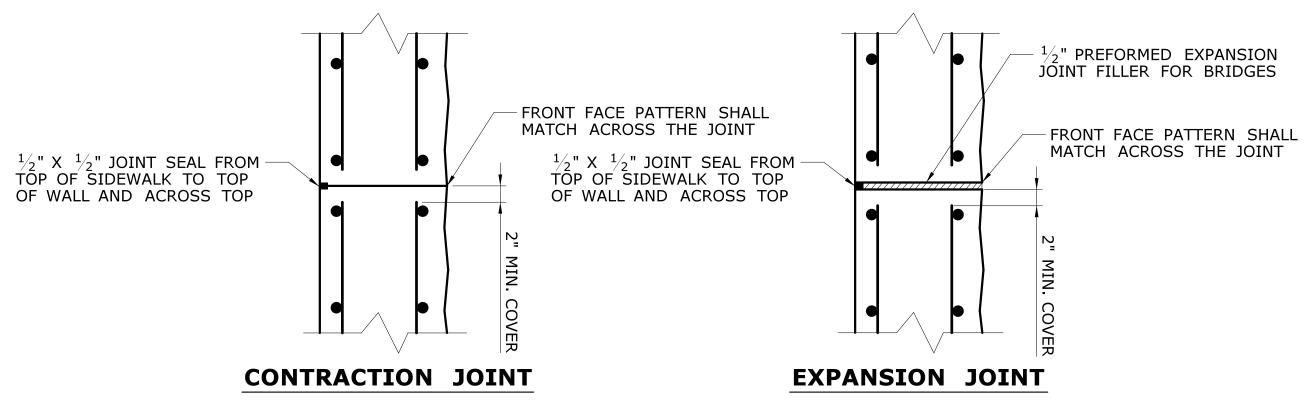
## **ELEVATION VIEW WALL NO. 2**

SCALE: 1" = 10'

THE INFORMATION, INCLUDING EST QUANTITIES OF WORK, SHOWN ON	DESIGNER/DRAFTER:  MATED THESE CHECKED BY:	CONNECTICAL TO SECONDARY OF THE CONNECTICAL TO SECONDARY OF TH	SIGNATURE/ BLOCK:	PROJECT TITLE:  SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS	FARMINGTON	PROJECT NO. <b>51-260</b>
SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AI IN NO WAY WARRANTED TO INDI THE CONDITIONS OF ACTUAL QUAI	IS RDD	DEPARTMENT OF TRANSPORTATION	OFFICE OF ENGINEERING  APPROVED BY:	ON ROUTE 4 (FARMINGTON AVE) FROM	DRAWING TITLE:	DRAWING NO.  S-17
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/9/2015	SCALE AS NOTED	DEPARTMENT OF TRANSPORTATION	Theth	GARDEN ST. TO MOUNTAIN SPRING RD.	GENERAL PLAN RETAINING WALL 2	SHEET NO. <b>06.17</b>

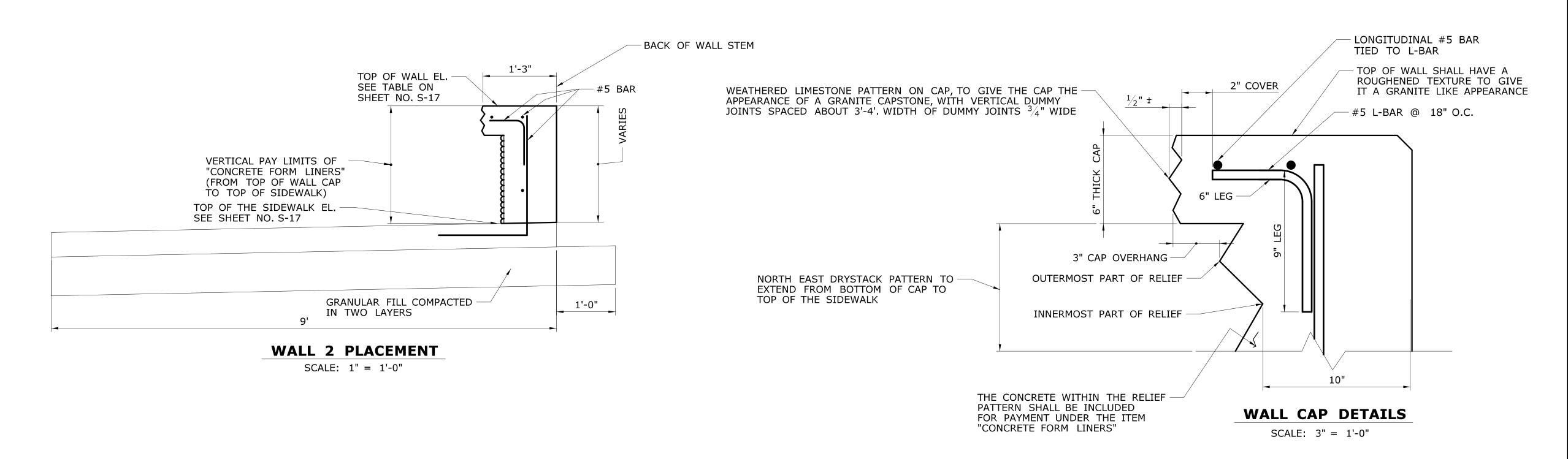




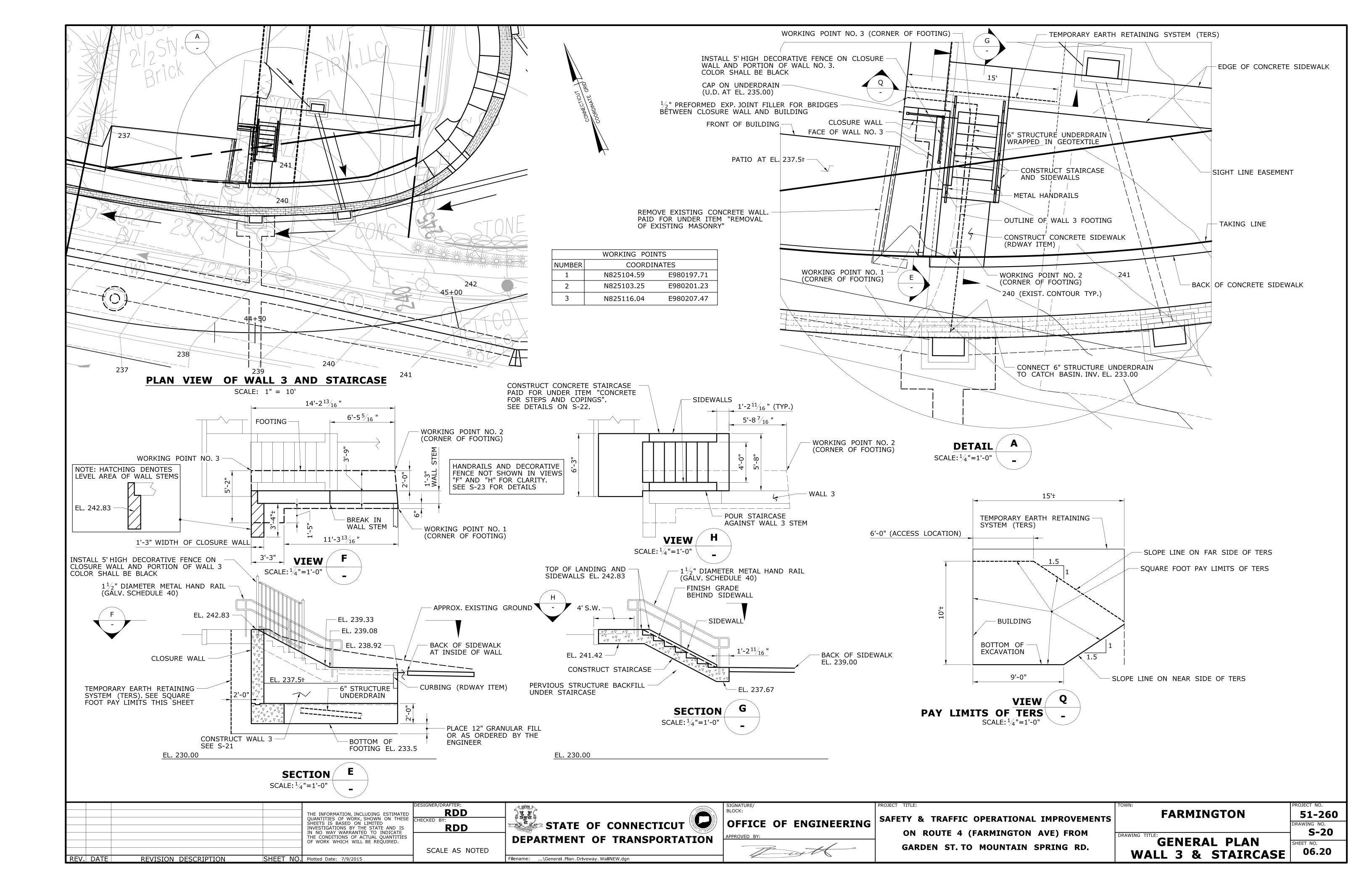


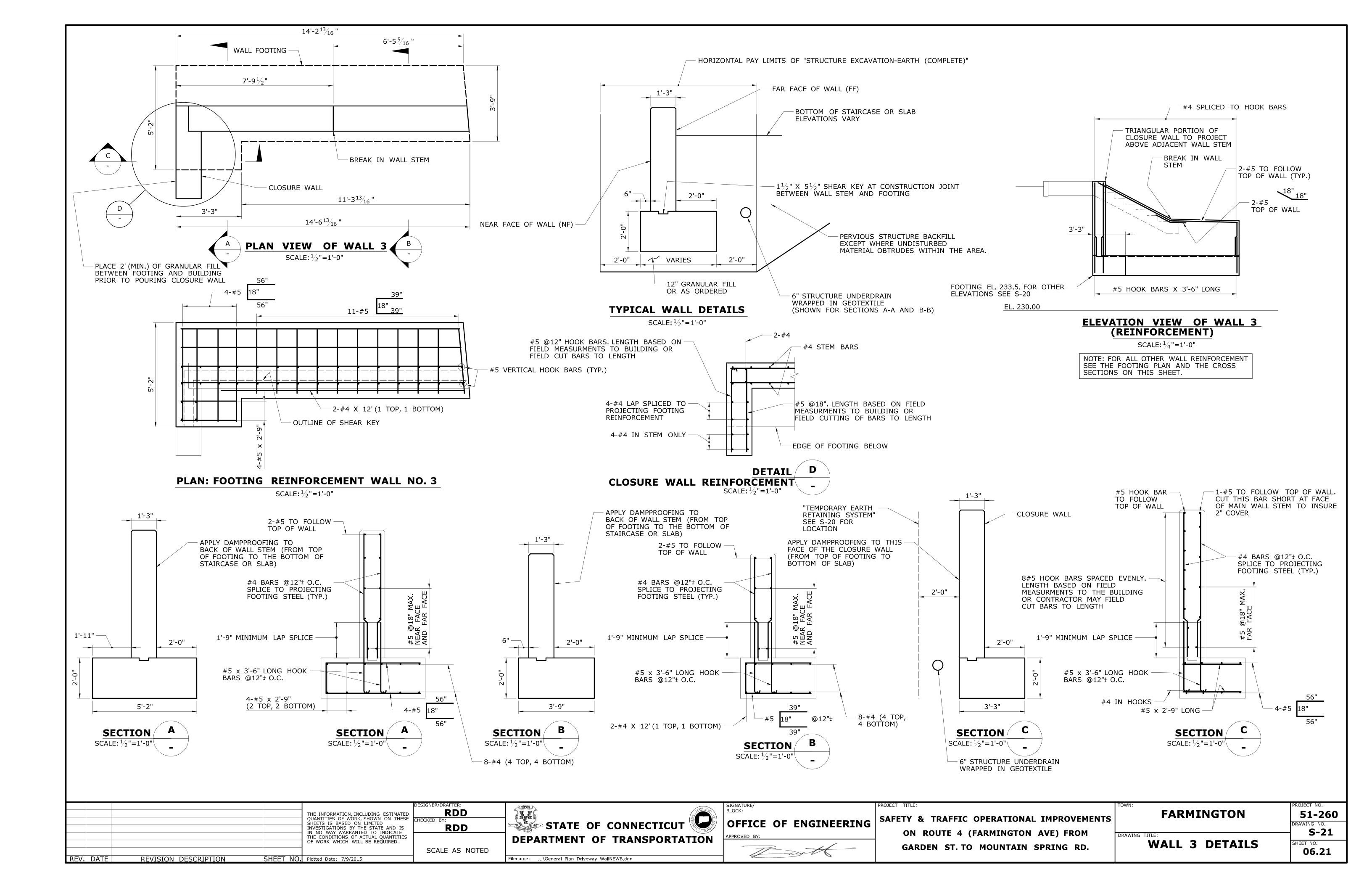
## VERTICAL WALL STEM JOINT DETAILS

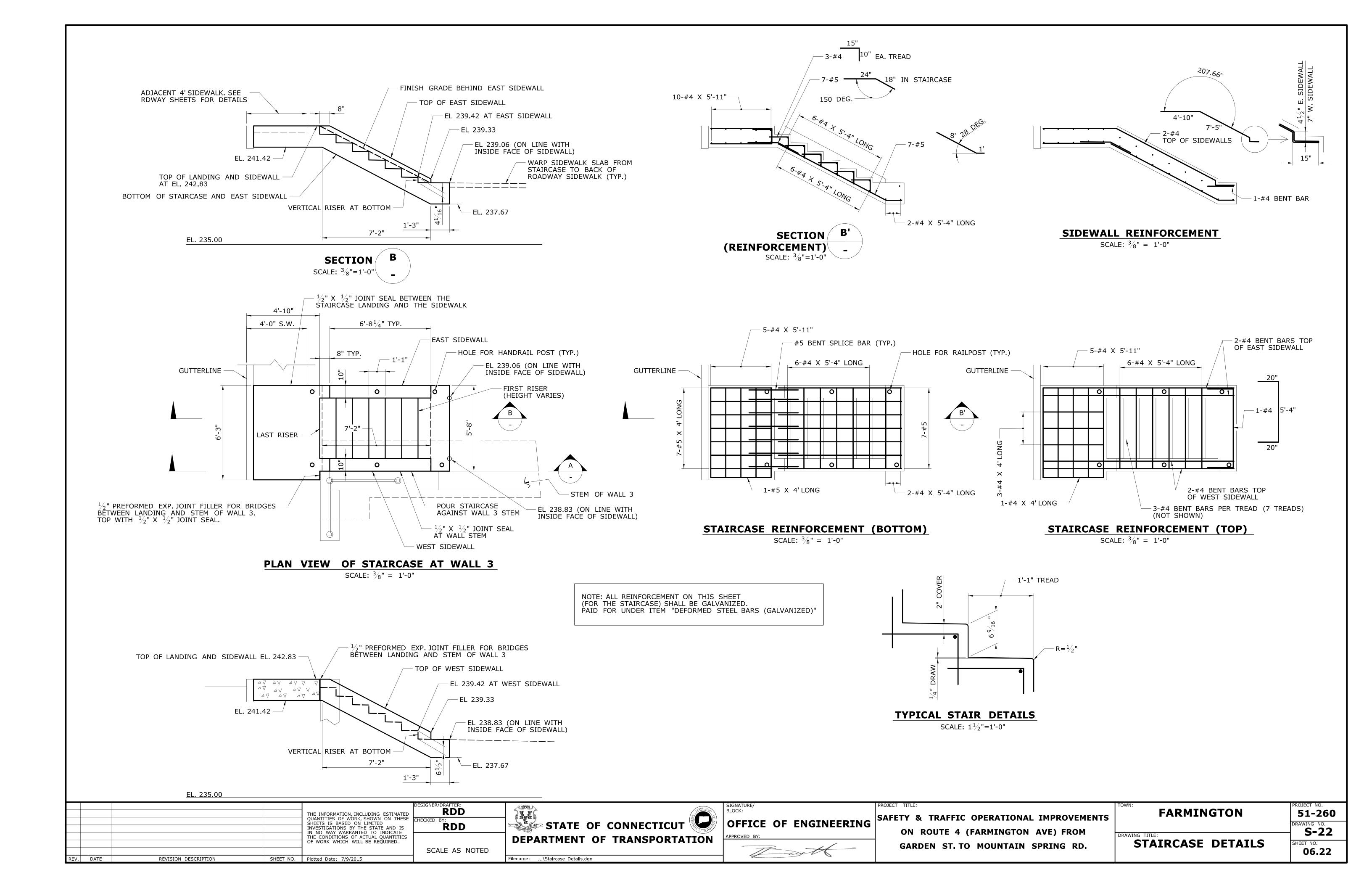
SCALE: 1"=1'-0"

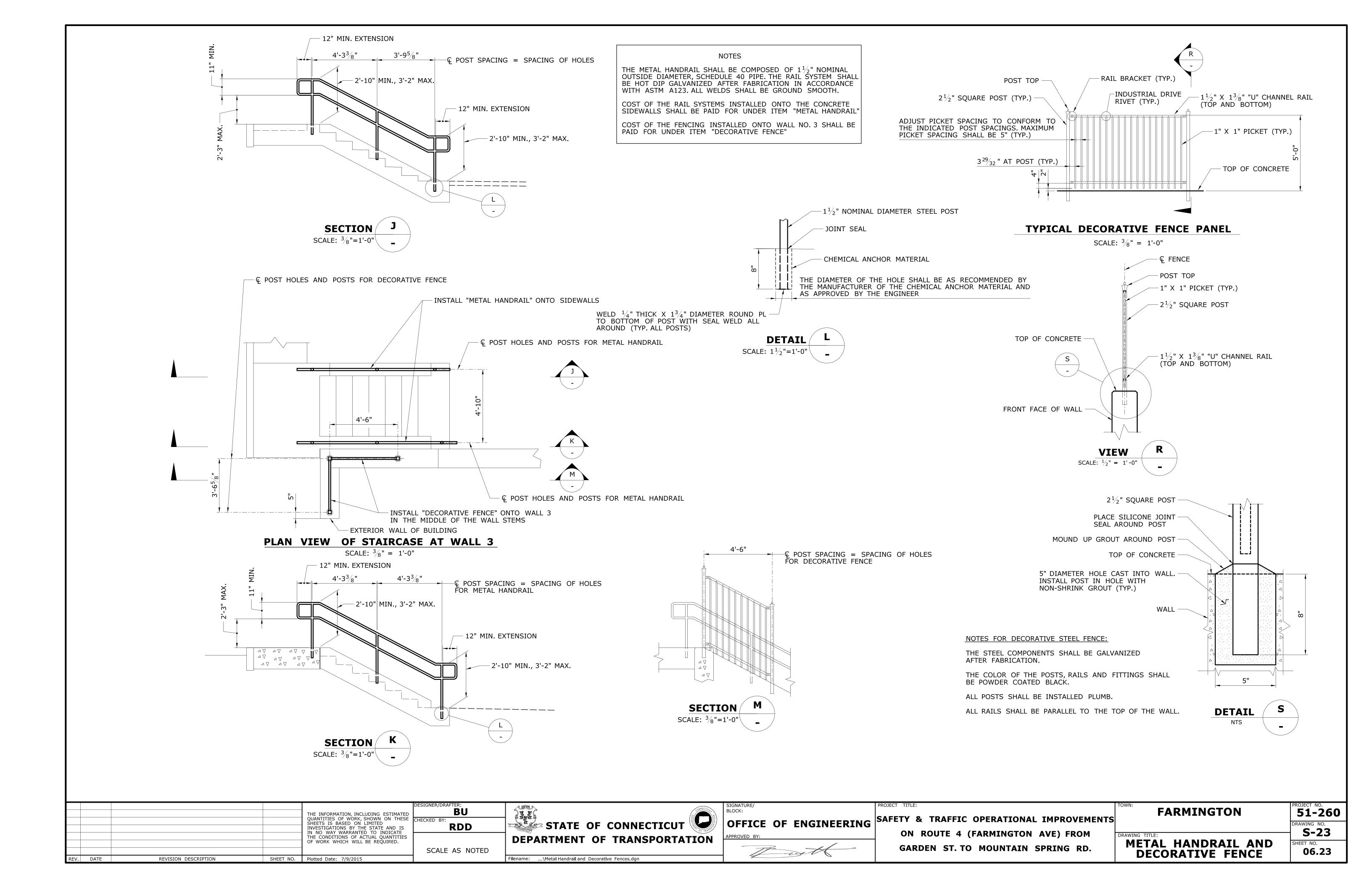


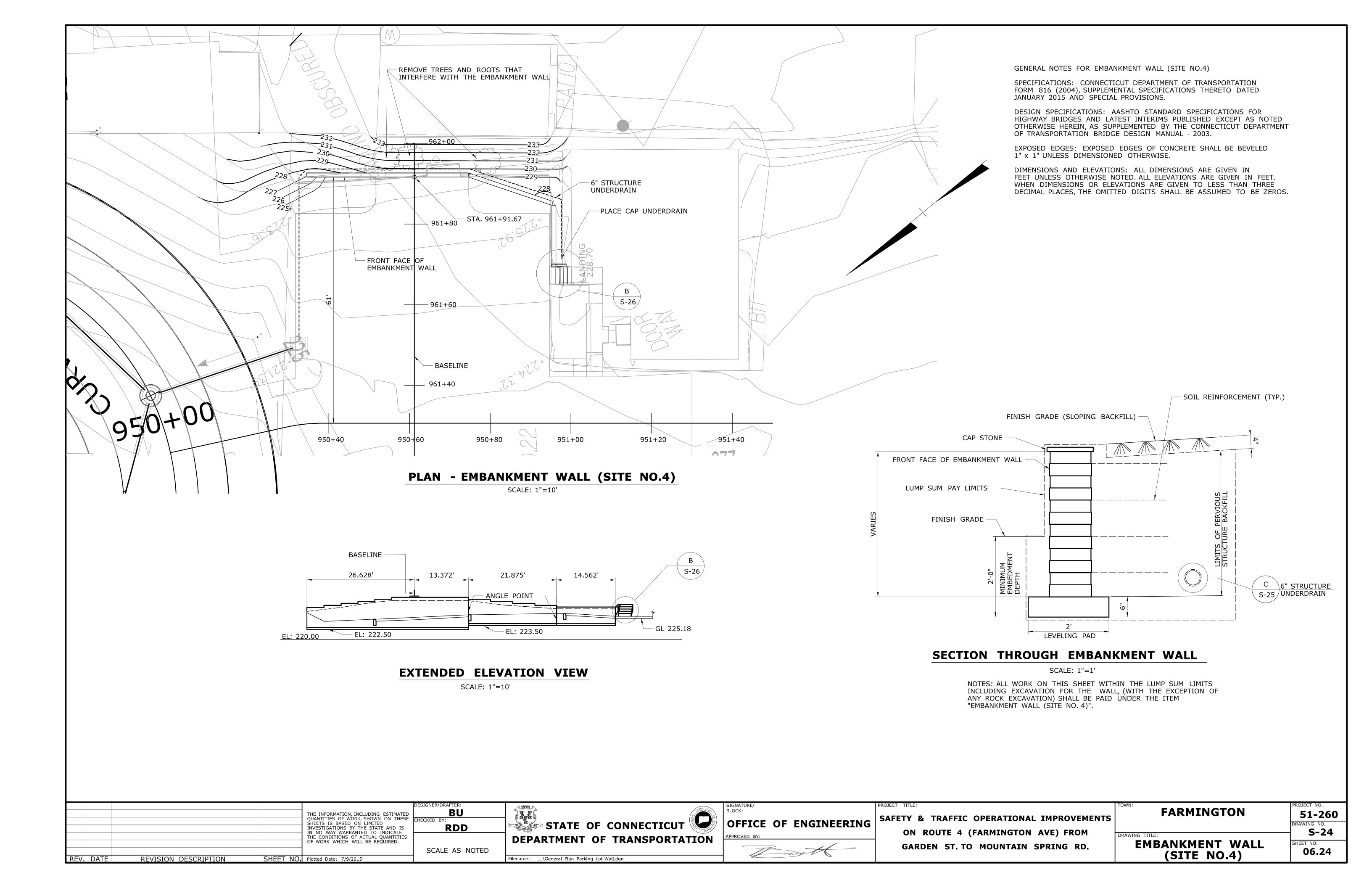
THE INFORMATION, INCLUDING ESTIMATED	DESIGNER/DRAFTER:	CONNECTION S	SIGNATURE/ BLOCK:	PROJECT TITLE:  SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS	TOWN: FARMINGTON	PROJECT NO. <b>51-260</b>
QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY TATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES	RDD	DEPARTMENT OF TRANSPORTATION	OFFICE OF ENGINEERING  APPROVED BY:	ON ROUTE 4 (FARMINGTON AVE) FROM	DRAWING TITLE:	DRAWING NO. <b>S-19</b>
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/9/2015	SCALE AS NOTED	Filename:\Wali2-constructability.dgn	The settle	GARDEN ST. TO MOUNTAIN SPRING RD.	RETAINING WALL 2 DETAILS-2	SHEET NO. <b>06.19</b>

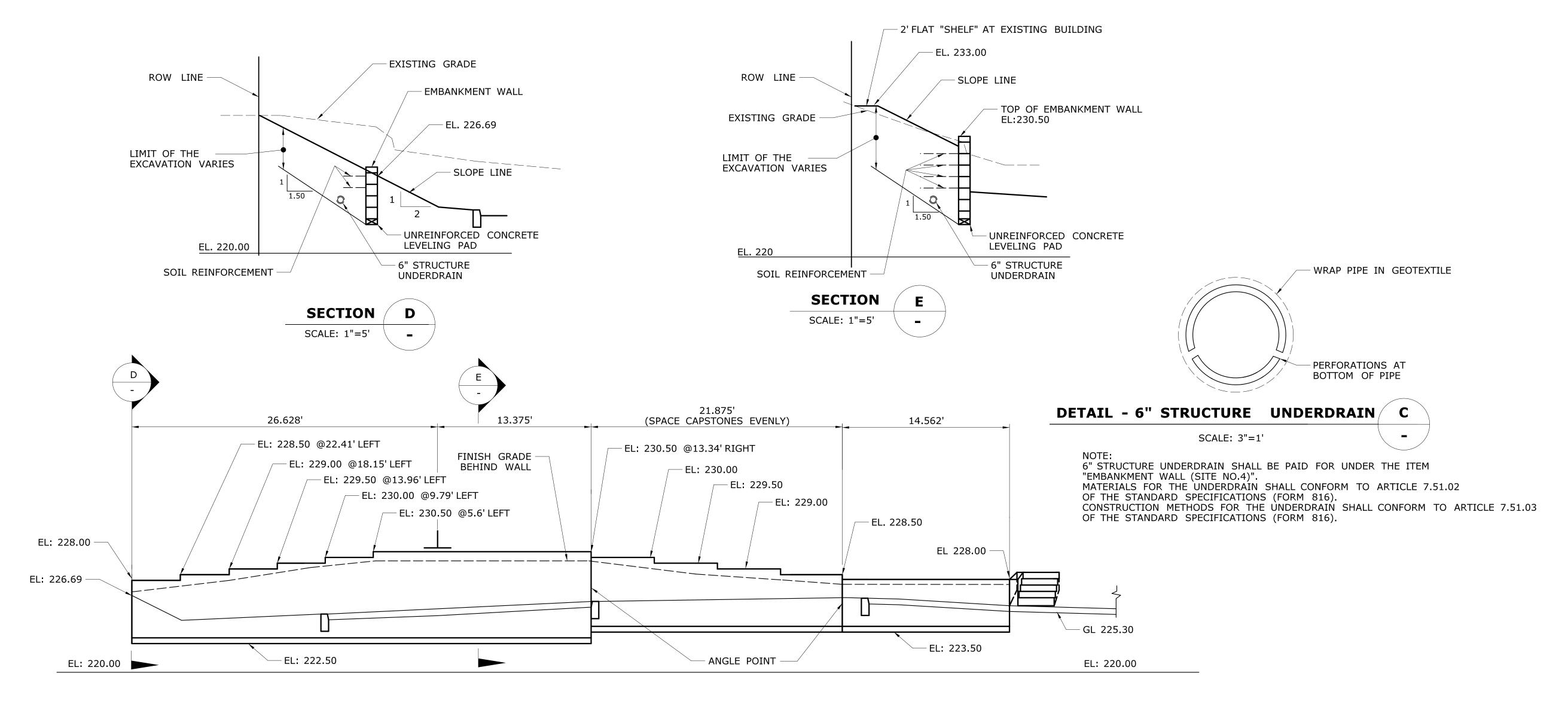












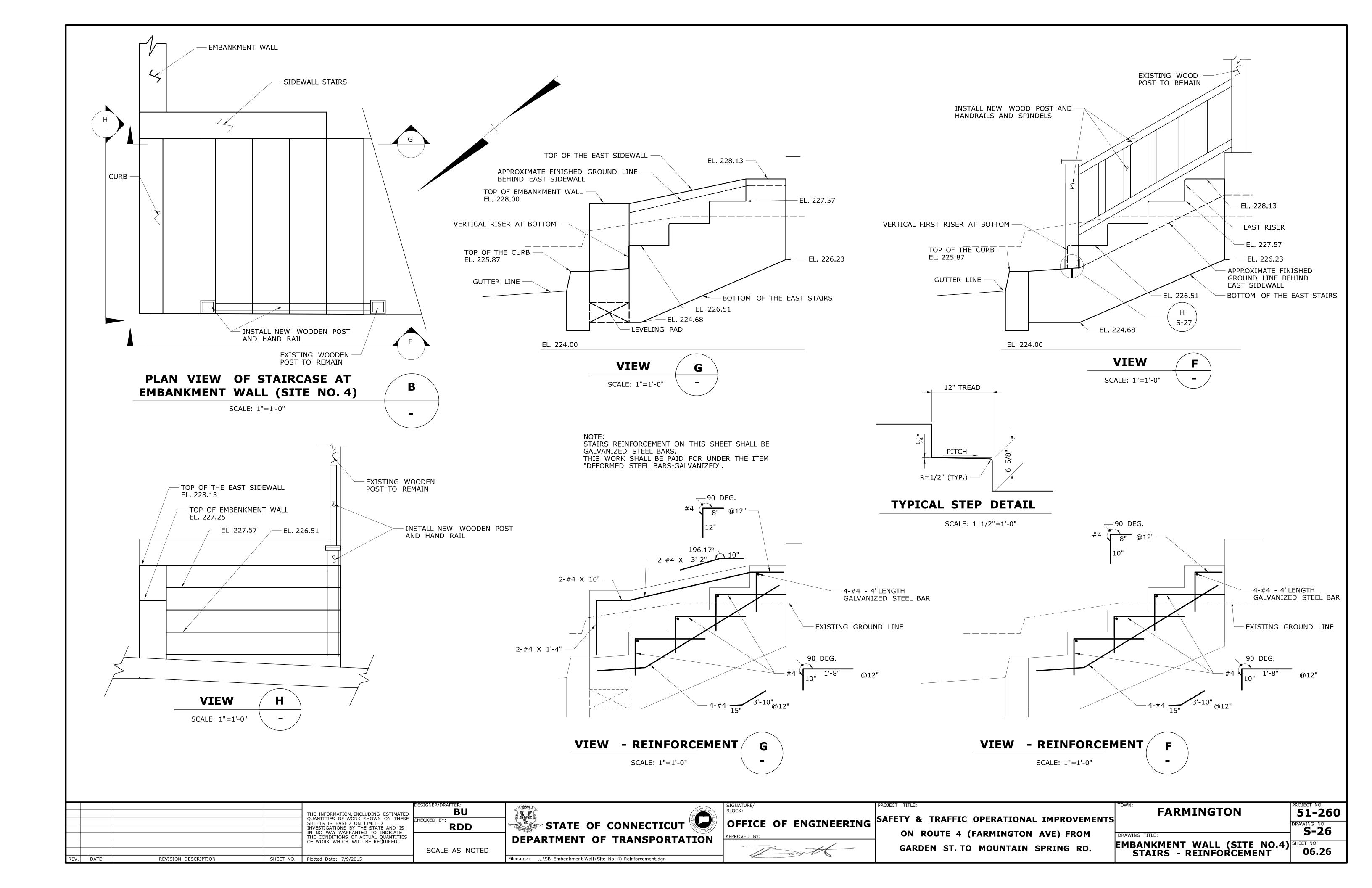
#### **EXTENDED ELEVATION VIEW**

SCALE: 1"=5'

NOTES:
THE INDICATED LEVELING PAD ELEVATIONS THAT ARE
INDICATED ARE THE HIGHEST ELEVATIONS PERMITTED,
BASED ON A NOMINAL 6 INCH THICKNESS AND A 24 INCH
MINIMUM EMBEDMENT DEPTH.

THE INDICATED TOP OF WALL ELEVATIONS THAT ARE INDICATED ARE THE LOWEST ELEVATIONS PERMITTED, BASED ON THE FINISH GRADE CONDITIONS.

THE INFORMATION, IN QUANTITIES OF WORLD	DESIGNER/DRAFTER:  DING ESTIMATED HOWN ON THESE  CHECKED BY:	CONNECTICITY OF THE CONNEC	SIGNATURE/ BLOCK:	PROJECT TITLE:  SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS	FARMINGTON	PROJECT NO. <b>51-260</b>
SHEETS IS BASED ON INVESTIGATIONS BY T IN NO WAY WARRAN THE CONDITIONS OF	STATE AND IS TO INDICATE UAL QUANTITIES  TO INDICATE	DEPARTMENT OF TRANSPORTATION	OFFICE OF ENGINEERING  APPROVED BY:	ON ROUTE 4 (FARMINGTON AVE) FROM	DRAWING TITLE:	DRAWING NO.  S-25
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 7/9/2015	SCALE AS NOTED		The weth	GARDEN ST. TO MOUNTAIN SPRING RD.	EMBANKMENT WALL (SITE NO.4)-DETAILS	SHEET NO. <b>06.25</b>





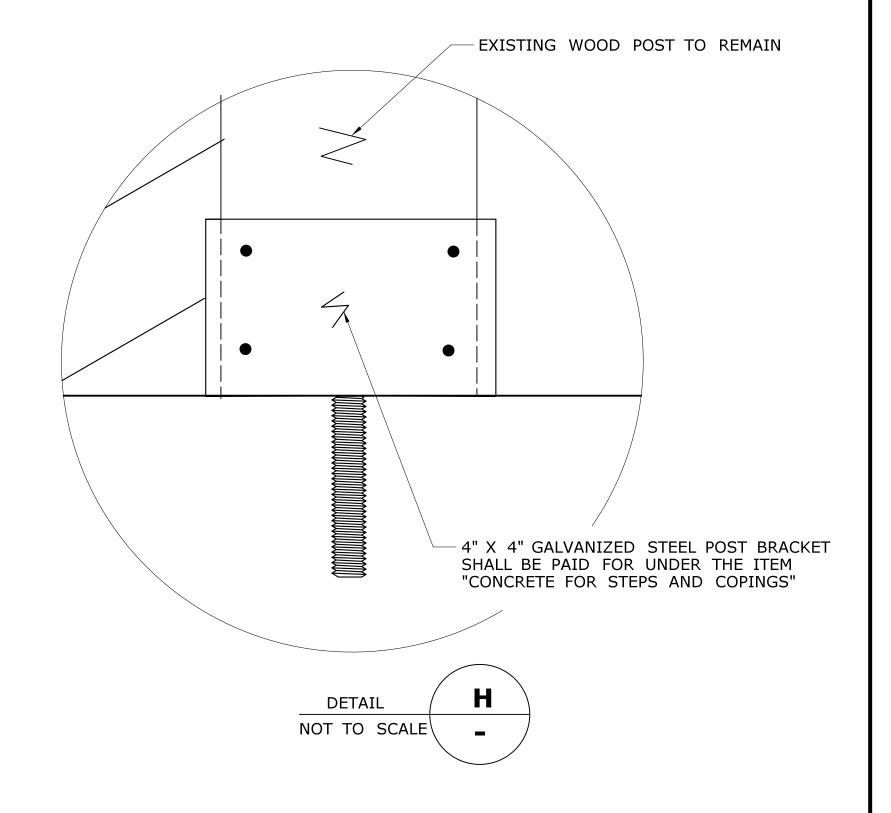
**VIEW- WOOD HANDRAILS** 

NOT TO SCALE



**VIEW- WOOD HANDRAILS** 

NOT TO SCALE



MATCH EXISTING WOOD POST AND HANDRAILS AND SPINDLES.
THIS WORK SHALL BE PAID FOR UNDER THE ITEM "CONCRETE FOR STEPS AND COPINGS"

BU

RDD

SCALE AS NOTED

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				THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED	СН
				INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE	_
				THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	ł
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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/9/2015	

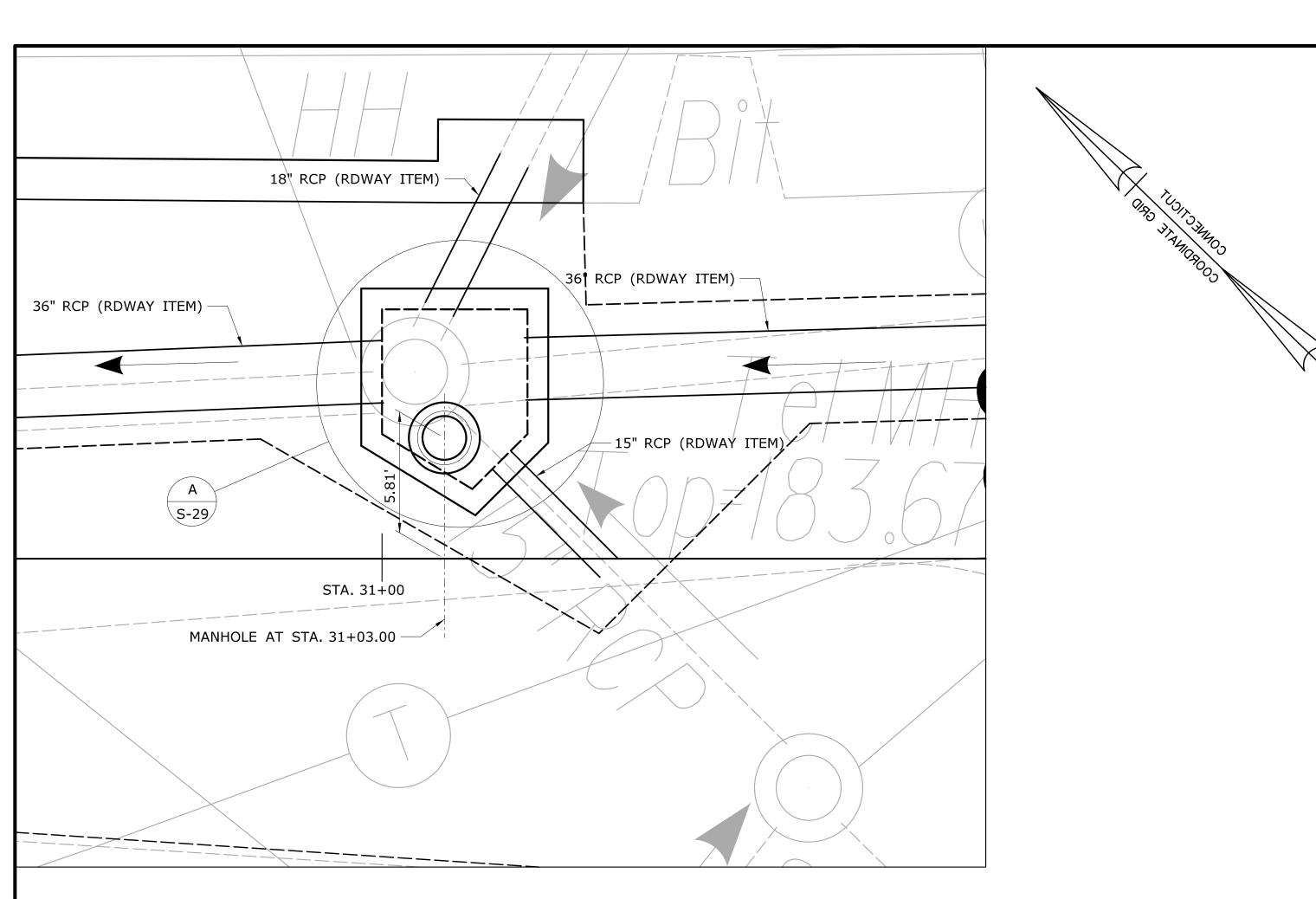
STATE OF CONNECTICUT **DEPARTMENT OF TRANSPORTATION** 

Filename: ...\Wood Hand Rails.dgn



OFFICE OF ENGINEERING SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS ON ROUTE 4 (FARMINGTON AVE) FROM GARDEN ST. TO MOUNTAIN SPRING RD.

FARMINGTON	PROJECT NO. <b>51-260</b>
ING TITLE:	DRAWING NO.  S-27
WOOD HANDRAILS DETAIL	SHEET NO. <b>06.27</b>



**GENERAL PLAN** JUNCTION BOX NO. 1 AT STA. 31+03.00 SCALE: 1/4" = 1'-0"

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

REVISION DESCRIPTION

REV. DATE

SHEET NO. Plotted Date: 7/9/2015

RDH RDD

SCALE AS NOTED

STATE OF CONNECTICUT

OFFICE OF ENGINEERING

SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS ON ROUTE 4 (FARMINGTON AVE) FROM GARDEN ST. TO MOUNTAIN SPRING RD.

GENERAL NOTES FOR PRECAST CONCRETE JUNCTION BOXES

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 6TH EDITION-2012 WITH LATEST INTERIMS, AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF

TRANSPORTATION BRIDGE DESIGN MANUAL - 2003.

SEE SPECIAL PROVISON "JUNCTION BOX".

IN FEET AND INCHES UNLESS OTHERWISE NOTED.

1" x 1" UNLESS DIMENSIONED OTHERWISE.

ALL ELEVATIONS ARE GIVEN IN FEET.

JANUARY 2015 AND SPECIAL PROVISIONS.

PRECAST CONCRETE JUNCTION BOX:

f'c = 5 KSI @ 28 DAYS

LIVE LOAD ON JUNCTION BOX:

CONCRETE COVER:

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816 (2004), SUPPLEMENTAL SPECIFICATIONS THERETO DATED

REINFORCEMENT: REINFORCING BARS (UNCOATED)-ASTM A615, GRADE 60

EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED

REINFORCEMENT IN PRECAST CONCRETE JUNCTION BOX SHALL HAVE A

WHEN DIMENSIONS OR ELEVATIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.

DIMENSIONS AND ELEVATIONS: ALL DIMENSIONS ARE GIVEN

MINIMUM CLEAR COVER OF 2", EXCEPT FOR BENEATH BOTTOM REINFORCEMENT IN TOP SLABS, WHERE THE MINIMUM SHALL BE  $1\frac{1}{2}$ ".

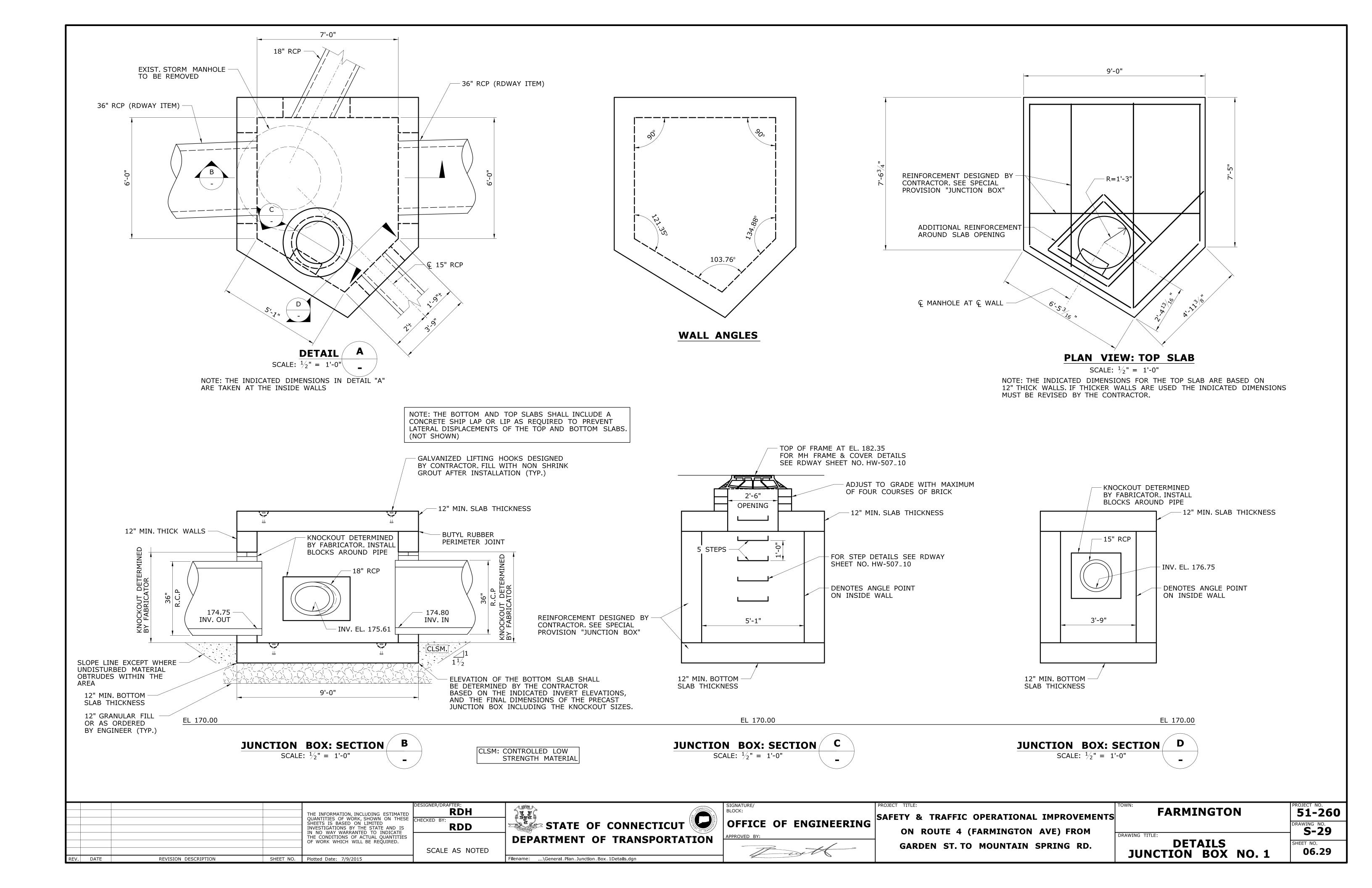
PROJECT NO. **51-260 FARMINGTON** DRAWING NO. **S-28** 

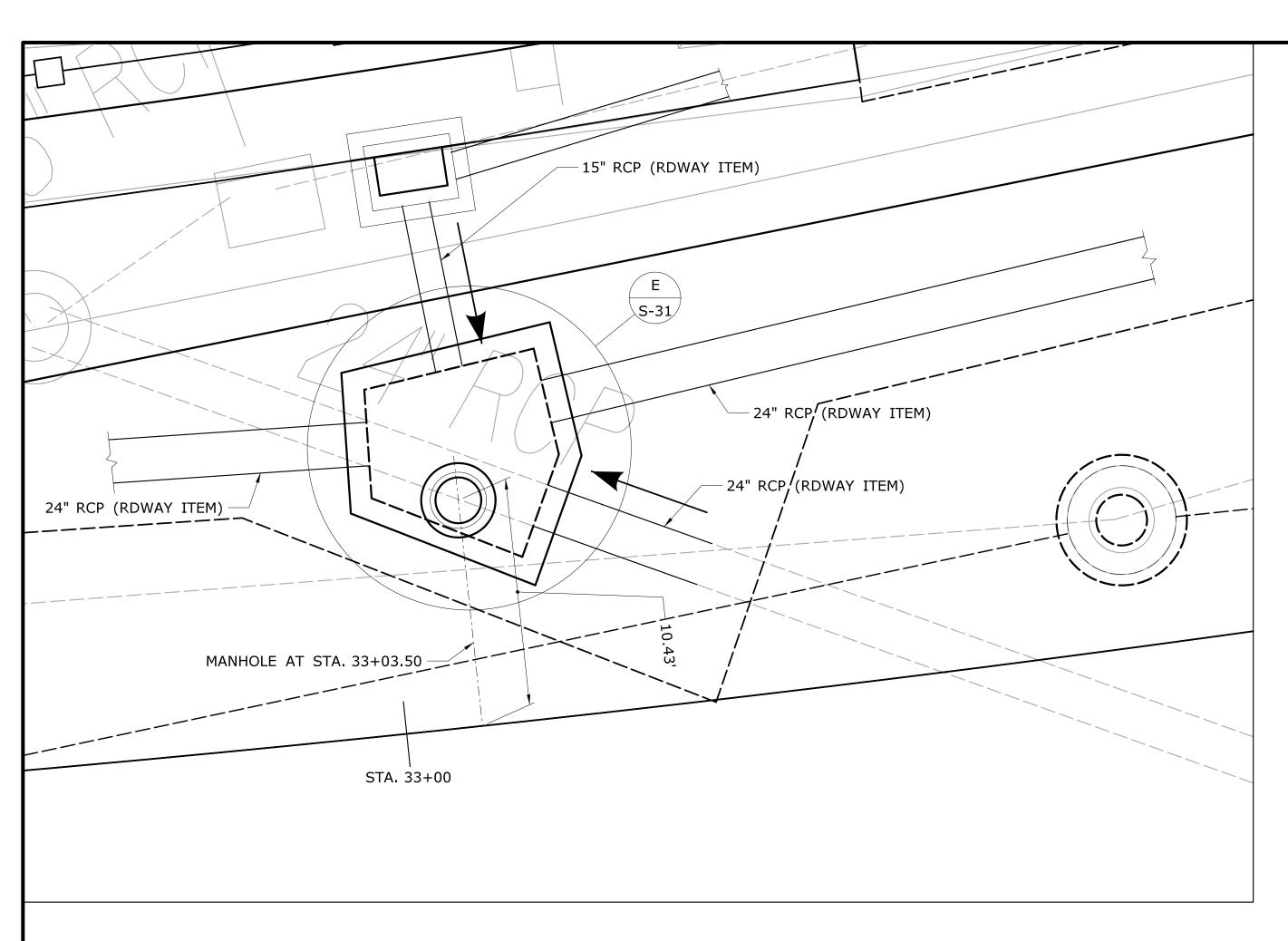
**GENERAL PLAN** JUNCTION BOX NO. 1

06.28

**DEPARTMENT OF TRANSPORTATION** 

Filename: ...\General\_Plan\_Junction\_Box\_1.dgn





GENERAL PLAN
JUNCTION BOX NO. 2 AT STA. 33+03.50

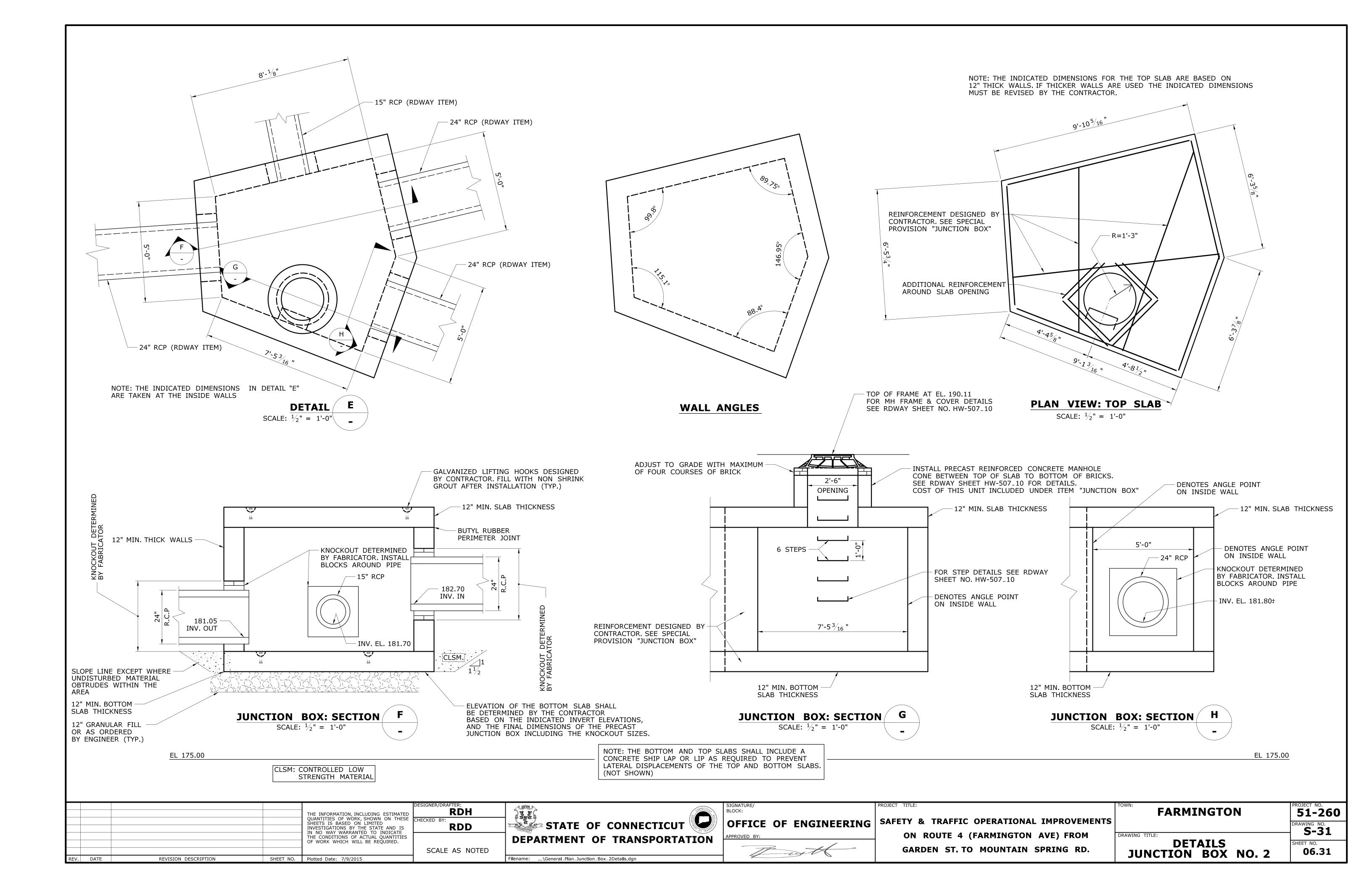
SCALE: 1/4" = 1'-0"

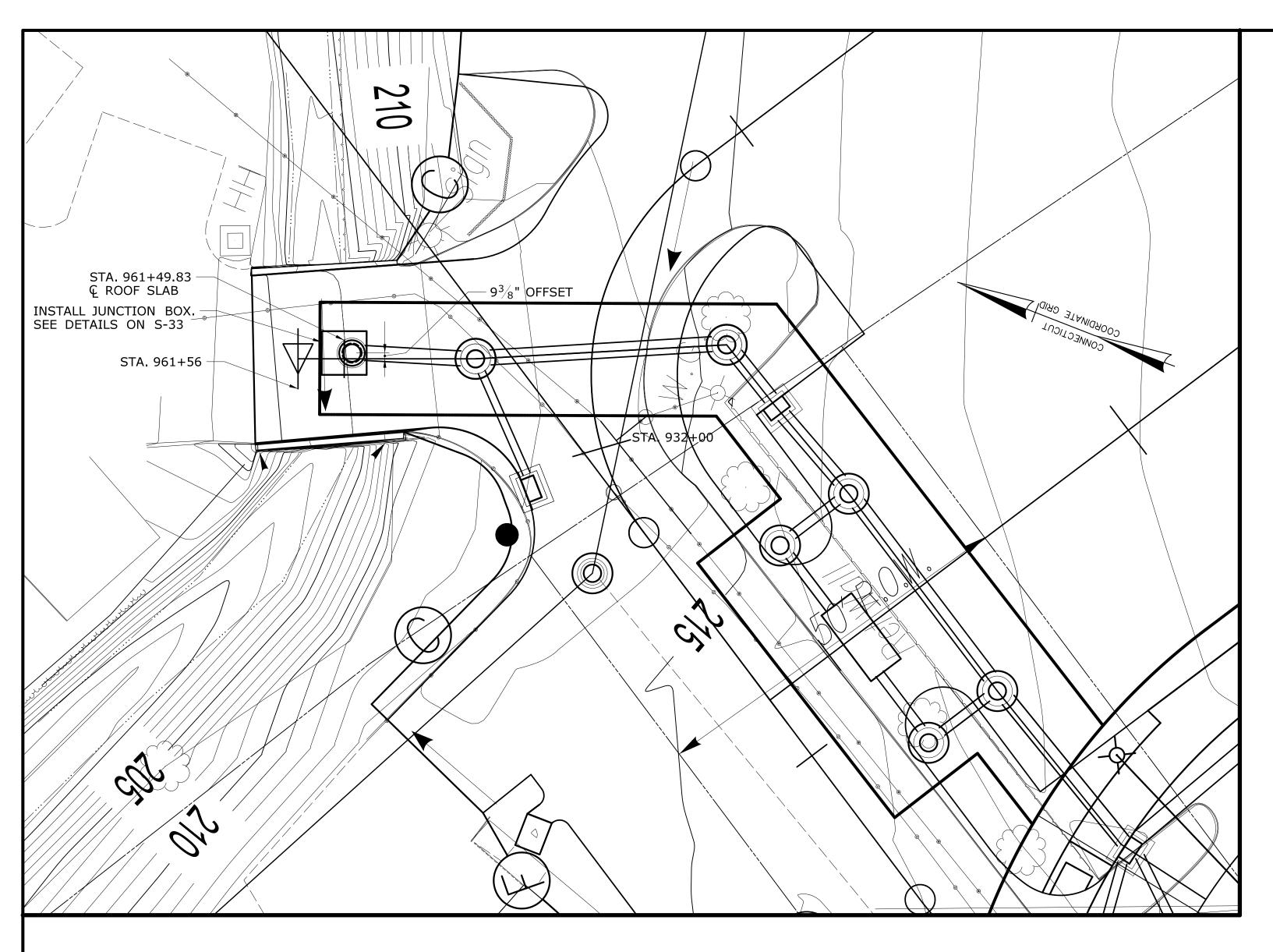


PROJECT NO. **51-260** 

DRAWING NO. **S-30** 

06.30





GENERAL PLAN-JUNCTION BOX NO. 3 SCALE 1"=10'

## SUGGESTED CONSTRUCTION SEQUENCE

EXCAVATE TO EL. 203.47. PLACE GRANULAR FILL

SAWCUT EXISTING 6' DIAMETER RCP

CLEAN OUTSIDE OF PIPE OF DIRT AND DEBRIS

INSTALL JUNCTION BOX AND 24" RCP

INSTALL MASONRY BLOCK AROUND 24" RCP CLOSE TO BOTTOM OF TOP SLAB

PLACE CLASS "F" CONCRETE INSIDE JUNCTION BOX
PLACE SELF CONTROLLED LOW STRENGTH MATERIAL UNDER AND AROUND 24" PIPE

PLACE REMAINDER OF MASONRY BLOCKS ON 6' PIPE

LOWER TOP SLAB INTO POSITION. ALL GAPS SHALL BE FILLED WITH MORTAR OUTSIDE OF STRUCTURE: PLACE MORTAR IN GAP BETWEEN JUNCTION BOX AND 6'DIAM. PIPE

11) INSTALL MANHOLE AND BACKFILL AROUND JUNCTION BOX AND 24" RCP

12) PAVE ROADWAY

13) ALLOW CONCRETE TO CURE. BLOCK OFF WATER COMING INTO 24" RCP DURING CURE PERIOD.
14) INSIDE OF STRUCTURE: INJECT POLYURETHANE MATERIAL INTO ALL GAPS BETWEEN THE

SIDEWALLS AND 6'RCP.

	DESIGNER/DRAFTER:	(SPE)	SIGNATURE/	PROJECT TITLE:	TOWN:	PROJECT NO.
THE QUA	E INFORMATION, INCLUDING ESTIMATED ANTITIES OF WORK, SHOWN ON THESE CHECKED BY:		OFFICE OF ENGINEERING	SAFETY & TRAFFIC OPERATIONAL IMPROVEMENTS	FARMINGTON	<b>51-260</b> DRAWING NO.
INVI	RDD  NO WAY WARRANTED TO INDICATE E CONDITIONS OF ACTUAL QUANTITIES	OF TRANS	APPROVED BY:	ON ROUTE 4 (FARMINGTON AVE) FROM	DRAWING TITLE:	S-32
OF '	WORK WHICH WILL BE REQUIRED.  SCALE AS NOTED	DEPARTMENT OF TRANSPORTATION	The state of the s	GARDEN ST. TO MOUNTAIN SPRING RD.	GENERAL PLAN	SHEET NO. <b>06.32</b>
REV. DATE REVISION DESCRIPTION SHEET NO. Plott	tted Date: 7/9/2015	Filename:\General_Plan_Manhole_1.dgn			JUNCTION BOX NO. 3	

